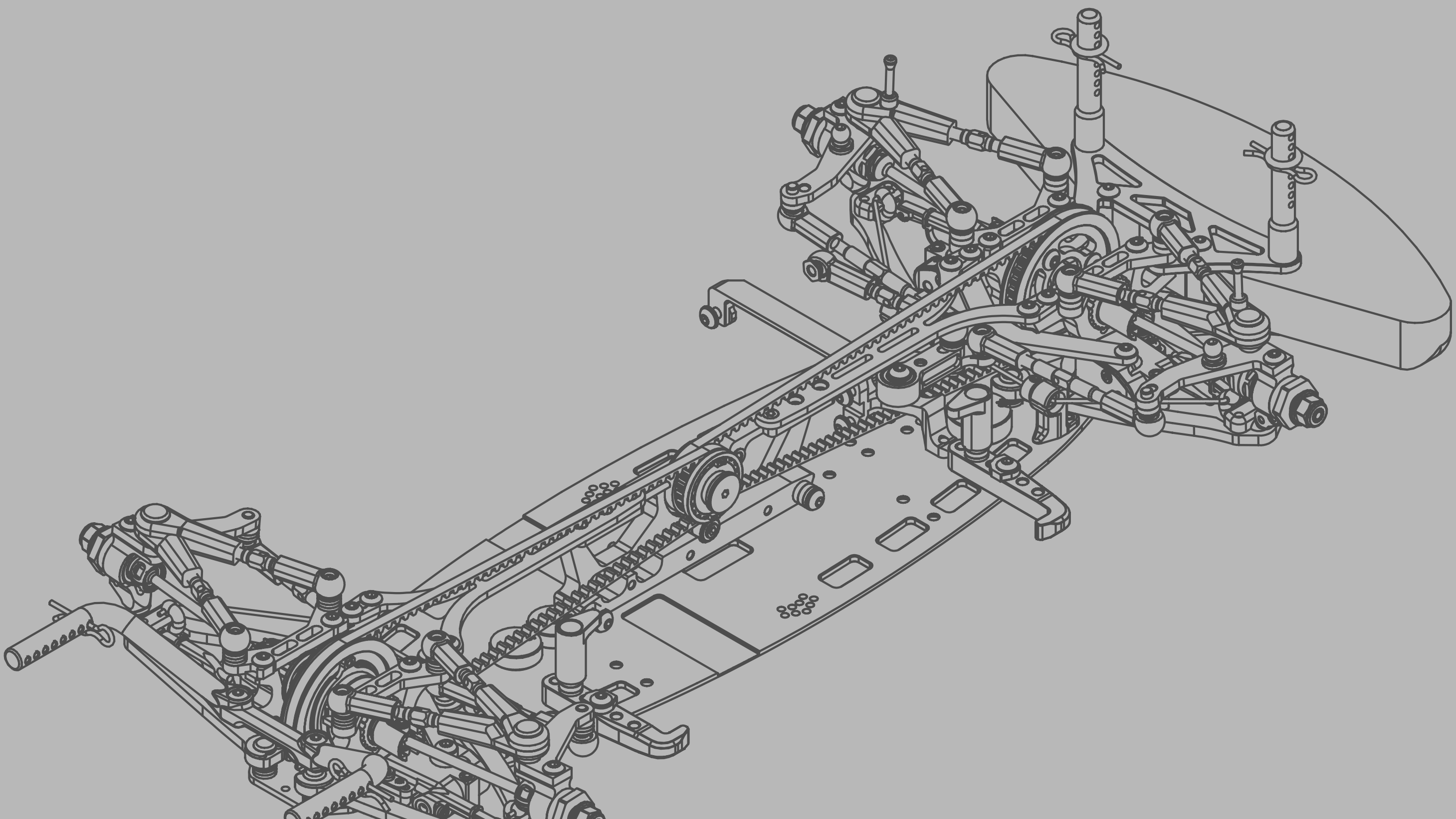
A800R

1/10-SCALE TOURING CAR



INSTRUCTION MANUAL

INTRODUCTION

Congratulations on purchasing your Awesomatix car!
The A800R car was produced by UAB “Awesomatix” company.
The A800R car utilises many unique features, including some patented innovations.

BEFORE YOU START

The A800R car is the high-quality, innovative 1/10-scale touring car and should be built only by persons with previous experience building R/C model racing cars.
This is not a toy and is not intended for use by children without direct supervision of a responsible, knowledgeable adult. Read the instruction manual carefully and fully understand it before beginning assembly. If you have any problems or questions please do not hesitate to contact the Awesomatix team at support@awesomatix.com. If, for any reason, you decide that you do not want your A800R car you must not begin assembly.
Your A800R car cannot be returned to UAB “Awesomatix” for a refund or exchange if it has been fully or partially assembled.

This kit is a radio controlled model racing product and could cause harm and personal injury.
The A800R car is designed for use on r/c car race tracks. It should not be used in general public areas.
UAB “Awesomatix” accepts no responsibility for any injuries caused by making or using this kit.

Due to policy of continuous product development the exact specifications of the kit may vary.
UAB “Awesomatix” do reserve all rights to change any specifications without prior notice. All rights reserved.

ASSEMBLY NOTES

Before starting each build-stage check that you have the right quantity and size of items for the build-stage. To assist you with the assembly of your A800R car we have included full-size images of all the small hardware parts laid out so that you can place items on top of the images to check are they correct size/length. You can find the useful tips and pictures of A800R assembling on the internet site: **http://site.petitrc.com/reglages/awesomatix/SetupSheetsAwesomatixA800R.html**

GENERAL PRECAUTIONS

- Many of the items in this kit are small enough to be accidentally swallowed and are therefore potential choking hazards, making them potentially fatal. Please ensure that when assembling the kit you do so out of the reach of small/young children.
- Take care when building, as some parts may have sharp edges.
- Please read this manual carefully to understand which ancillary items (tools, electrics, electronics etc) are used with this kit. UAB “Awesomatix” accepts no responsibility for the operation of any such ancillary items.
- Exercise care when using tools and sharp instruments.
- Follow the operating instructions for the radio equipment at all times.
- Never touch rotating parts of the car as this may cause injury.
- Keep the wheels of the model off the ground when checking the operation of the radio equipment.
- To prevent any serious personal injury and/or damage to property, be responsible when operating all remote controlled models.
- The model car is not intended for use on roads or areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.
- Do not run your car in poor light or if it goes out of sight. Any impairment to your vision may result in damage to your car or, worse, injury to others or their property.
- As a radio controlled device, your car is subject to radio interference from things beyond your control. Any such interference may cause a loss of control of your car so please consider this possibility at all times.
- When not using RC model, always disconnect and remove battery.
- Insulate any exposed electrical wiring to prevent dangerous short circuits.
  Take maximum care in wiring, connecting and insulating cables. Make sure cables are always connected securely.
  Check connectors for if they become loose and if so reconnect them securely. Never use R/C models with damaged wires.
  A damaged wire is extremely dangerous and can cause short-circuits resulting in fire.

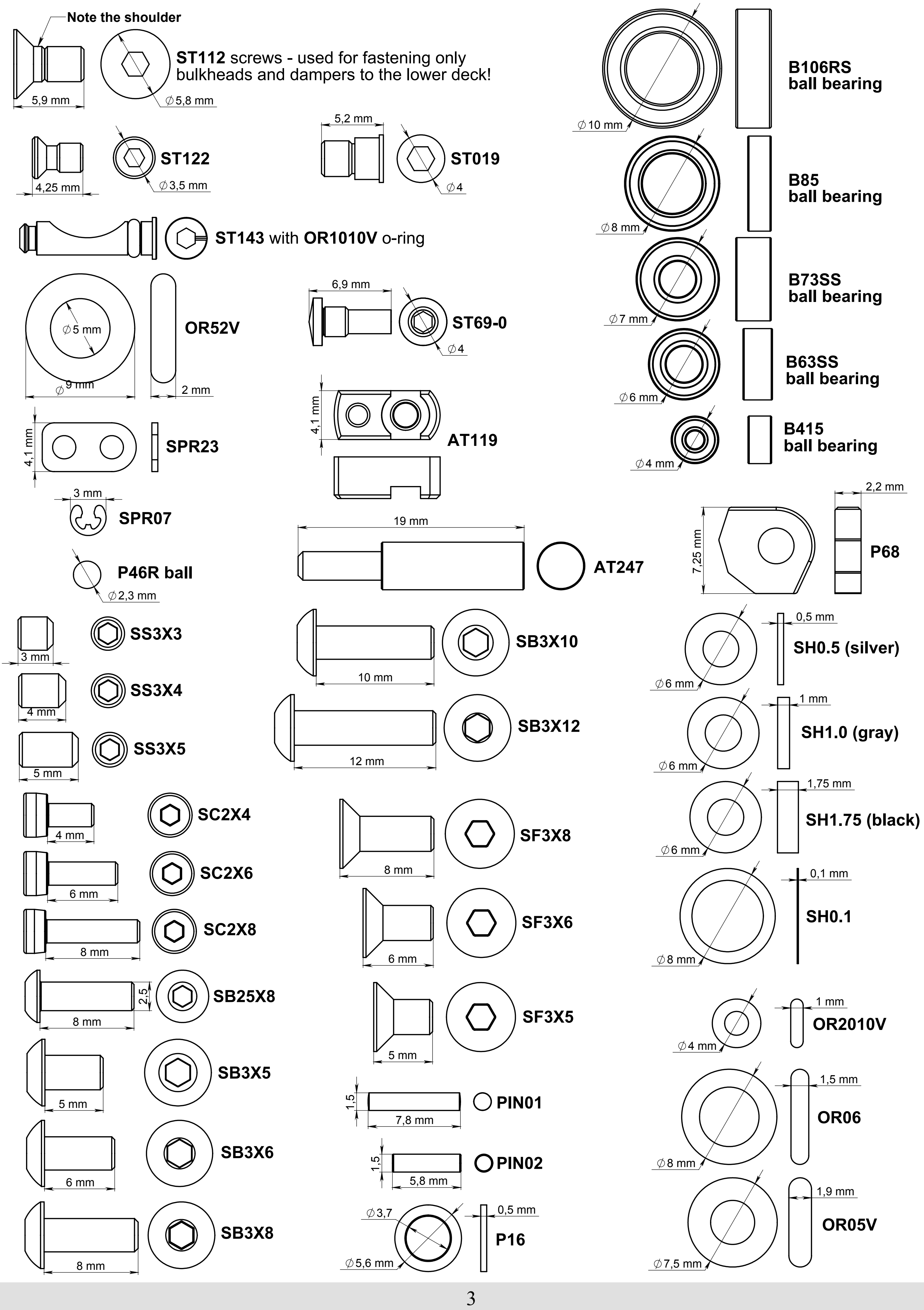
EQUIPMENT RECOMMENDED (NOT INCLUDED)

- Radio Transmitter
- Radio Receiver
- Electronic Speed Control
- Steering Servo
- Servo Horn
- Electric Motor
- Pinion Gear (64 or 48 Pitch)
- Spur Gear (64 or 48 Pitch)
- 7.4 V Li-Po Battery
- 190mm Body Shell
- Touring Car Wheels, Tires, Inserts

TOOLS RECOMMENDED (NOT INCLUDED)

- 1.5mm, 2.0mm Hex Driver
- 5.5mm, 3/8, 10mm Wrenches
- Callipers
- Hobby Knife
- Camber Gauge
- Ride Height Gauge
- Thread Lock
- 5’000 cst Diff Silicone Oil
- 400 cst, 500 cst Silicone Shock Oil
- Joint Grease
- O-Ring Grease

Note these items at assembling of the car.



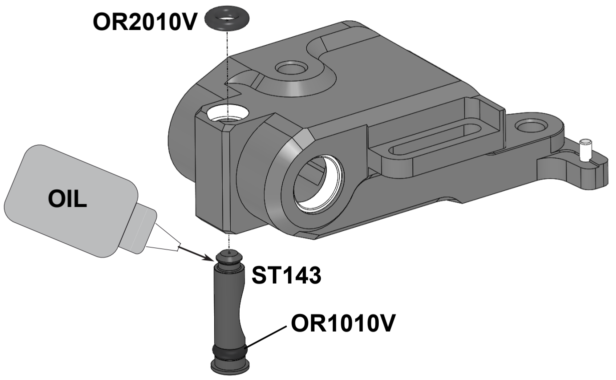
ST112 screws - used for fastening only bulkheads and dampers to the lower deck!

Note the shoulder
5,9 mm
∅5,8 mm
ST122
4,25 mm
∅3,5 mm
5,2 mm
ST019
∅4
ST143 with OR1010V o-ring
∅5 mm
∅9 mm
OR52V
2 mm
6,9 mm
ST69-0
∅4
4,1 mm
AT119
4,1 mm
SPR23
3 mm
SPR07
P46R ball
∅2,3 mm
19 mm
AT247
∅10 mm
B106RS ball bearing
∅8 mm
B85 ball bearing
∅7 mm
B73SS ball bearing
∅6 mm
B63SS ball bearing
∅4 mm
B415 ball bearing
2,2 mm
7,25 mm
P68
3 mm
SS3X3
4 mm
SS3X4
5 mm
SS3X5
10 mm
SB3X10
12 mm
SB3X12
∅6 mm
0,5 mm
SH0.5 (silver)
∅6 mm
1 mm
SH1.0 (gray)
∅6 mm
1,75 mm
SH1.75 (black)
4 mm
SC2X4
6 mm
SC2X6
8 mm
SC2X8
8 mm
SF3X8
6 mm
SF3X6
5 mm
SF3X5
∅8 mm
0,1 mm
SH0.1
2,5
8 mm
SB25X8
5 mm
SB3X5
6 mm
SB3X6
8 mm
SB3X8
1,5
7,8 mm
PIN01
1,5
5,8 mm
PIN02
∅3,7
∅5,6 mm
0,5 mm
P16
∅4 mm
1 mm
OR2010V
∅8 mm
1,5 mm
OR06
∅7,5 mm
1,9 mm
OR05V

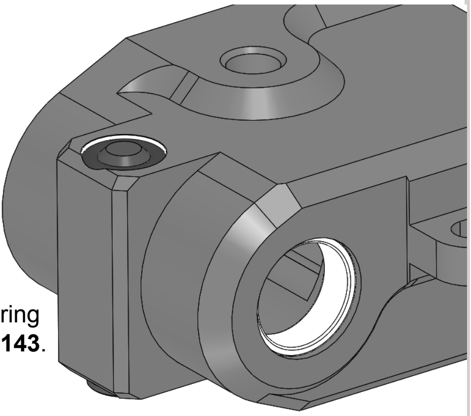
STEP 1 - Assembling of the D3 Dampers

Note: As a starting point we recommend 400 cst silicone oil for the front dampers and 500 cst silicone oil for the rear dampers.

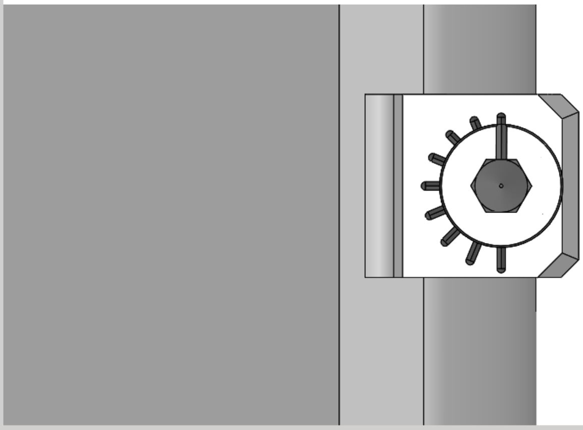
#1 Insert **OR2010V** o-ring into the upper cavity of **AM242R/L** case.
Lubricate **ST143** with small amount of the silicon oil. Note that one **OR1010V** o-ring is already factory installed on each **ST143**.
Hold **OR2010V** o-ring with forefinger and insert the lubricated **ST143** into **AM242R/L** hole.
Rotate and press on **ST143** simultaneously with 1,5mm hex screwdriver so that the pointed tip of **ST143** should pass through **OR2010V** o-ring.

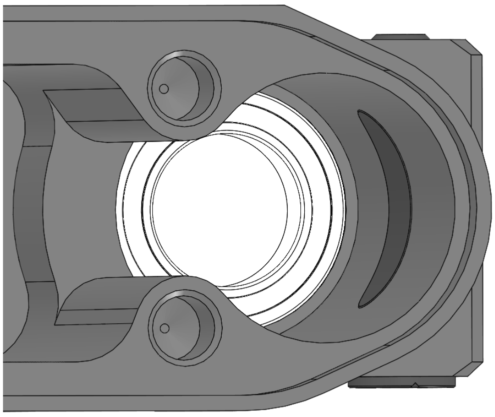

OR2010V
OIL
ST143
OR1010V

At proper installation **OR2010V** o-ring must occupy the top groove of **ST143**.

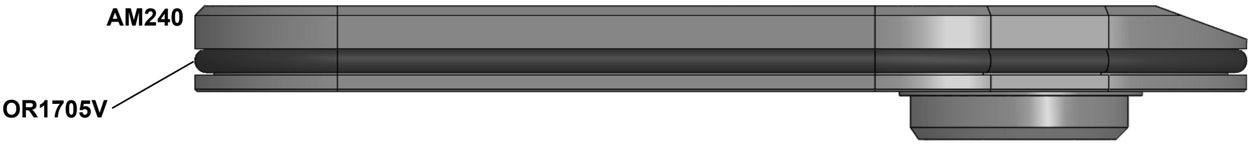


#2 Turn **ST143** valve into position for further installation of the **AT241** rotor.

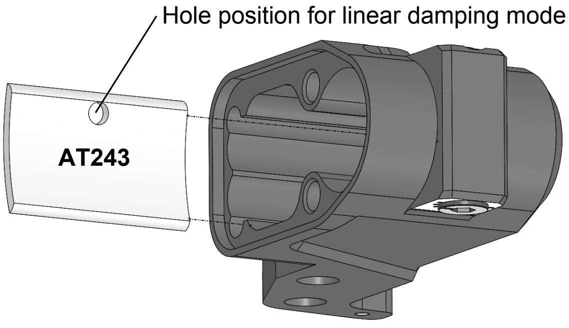




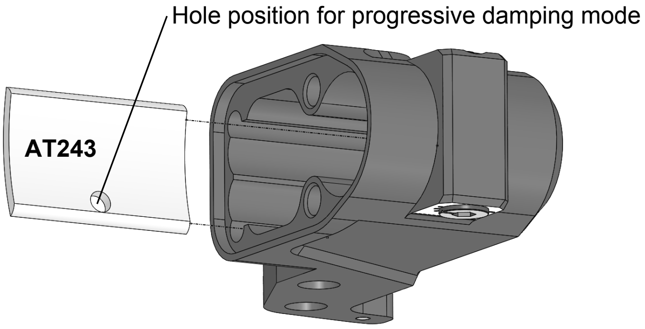
#3 Put **OR1705V** - the thin 17x0,5mm o-ring into the slot of **AM240** cover. Try don't twist this o-ring at installation into slot.


AM240
OR1705V

#4 Choose the desirable orientation of **AT243** plate before installation - for linear damping mode or for progressive damping mode. Insert **AT243** plate into **AM242** case fully. The fit of the **AT243** can be a bit tight.

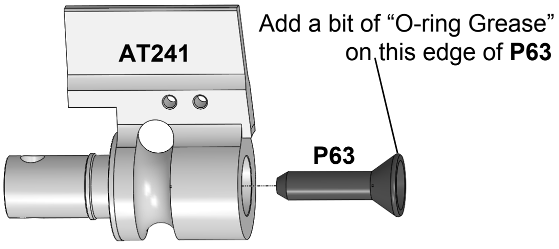

Hole position for linear damping mode
AT243

Linear damping mode is recommended for carpet tracks.

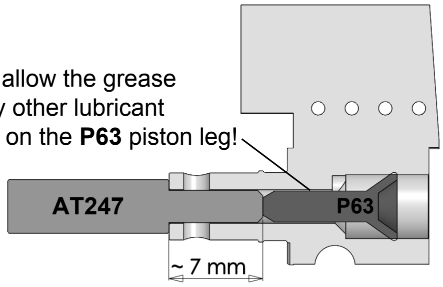

Hole position for progressive damping mode
AT243

Progressive damping mode is recommended for asphalt tracks.

#5 Lubricate the outer edge of the **P63** piston with small amount of the “O-ring Grease”. **MXLR** brand o-ring grease is recommended. Don’t allow the grease or any other lubricant to get on the **P63** piston leg! Insert **P63** piston into **AT241** on full depth. Insert **AT247** probe into the output hole of **AT241** rotor and shift **P63** piston to the recommended ~7mm position.

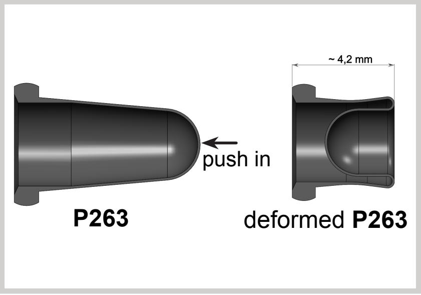


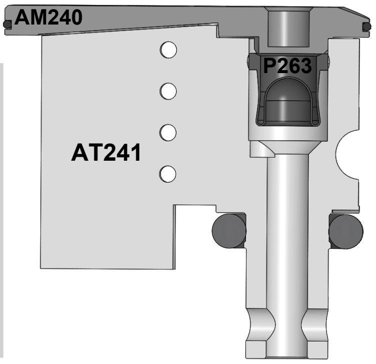
Add a bit of “O-ring Grease” on this edge of **P63**


AT247
P63
~ 7 mm

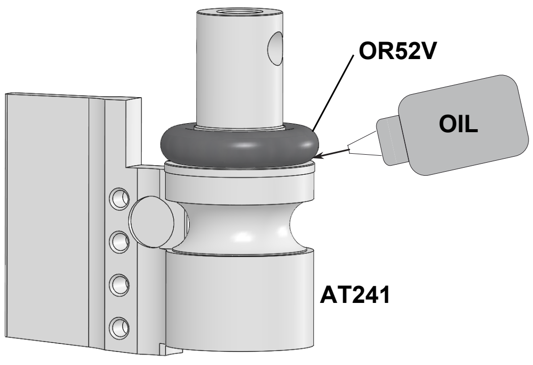
Don’t allow the grease or any other lubricant to get on the **P63** piston leg!

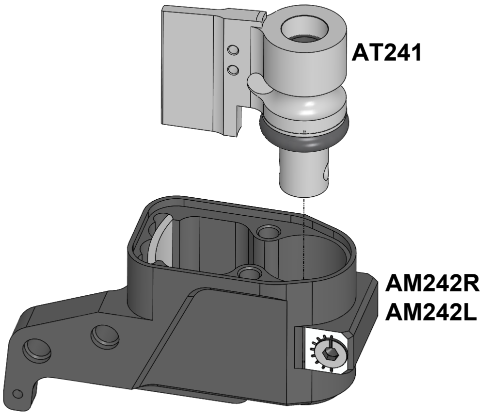
P263 membrane can be used instead of **P63** piston.
Deform **P263** till ~ 4,2 mm size like on the picture and install into **AT241**.
Use **AM240** cover as a guage for **P263** positioning in **AT241**.
“O-ring Grease” is not needed.


~ 4,2 mm
push in
P263
deformed P263

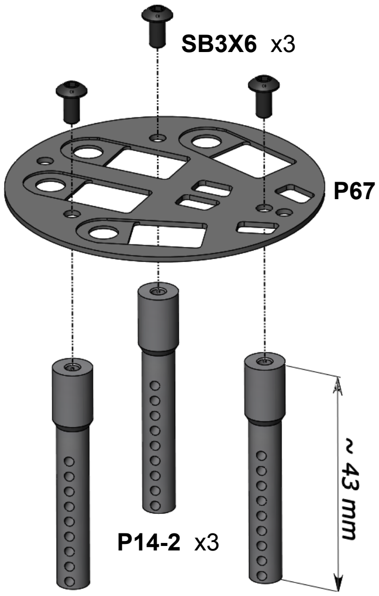

AM240
P263
AT241

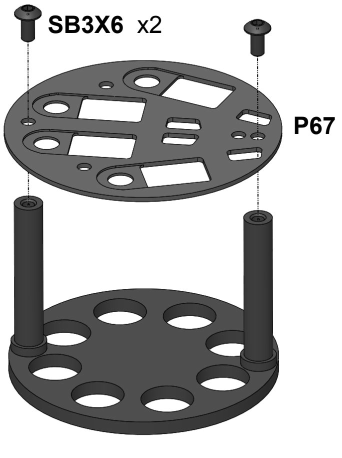
#6 Put **OR52V** o-ring on **AT241** rotor’s shaft and add the silicone oil into the gap under o-ring to fill this gap fully. Insert **AT241** rotor into **AM242** body on full depth.


OR52V
OIL
AT241


AT241
AM242R
AM242L

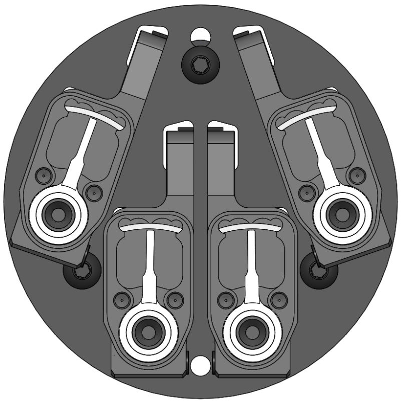
#7 Prepare the damper’s stand for using with the Tamiya style RC Damper Oil Air Remover tool. Screw **P67** stand to three **P14-2** posts (cutted till ~43mm length) or to the air remover’s original stand instead one of plates.

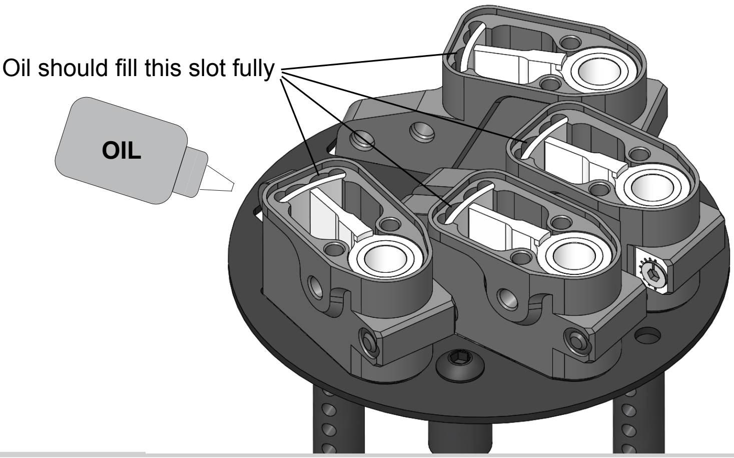

SB3X6 x3
P67
P14-2 x3
~ 43 mm


SB3X6 x2
P67

TIP / Recommendation to use
MAX-02-003 - MXLR Awesomatix A800R ShockVac
MAX-01-003 - MXLR O-Ring grease (for P63 & OR52V)

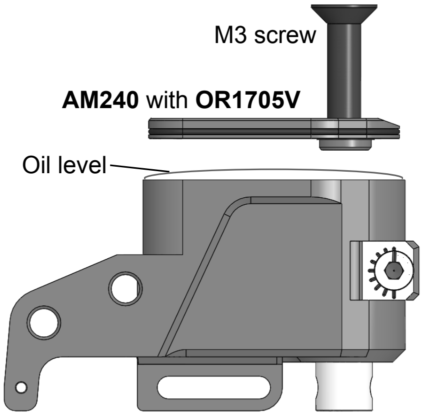
#8 Install the dampers on the air remover stand and keep them vertically.
Add the desirable silicon oil into the damper's inner space. The oil level should reach the top face of **AT243** on this stage. Don't forget to fill by oil the cavity over **P63** piston or over **P263** membrane. Check the narrow slot behind **AT243** and add the oil also there. It's not easy to detect the lack of oil in the slot behind **AT243** so please pay more attention to this.

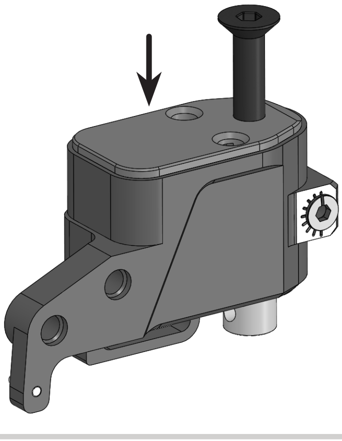




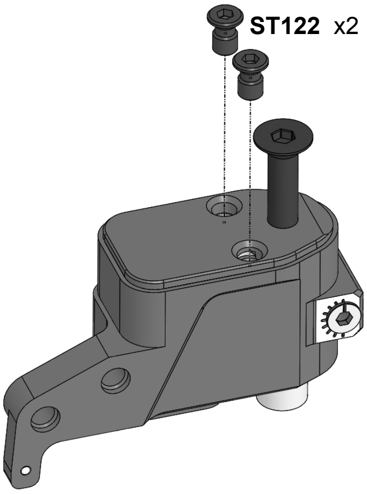
#9 Vacuum should be applied at least 10 times x 2 minutes. Try to reach the maximum possible level of vacuum on every cycle. There are a lot of small cavities inside dampers that hold air for a long time. The air bubbles remain to go out even after several cycles of "vacuum is on" - "vacuum is off ". So please pay maximum attention on the air bubbles removing process.

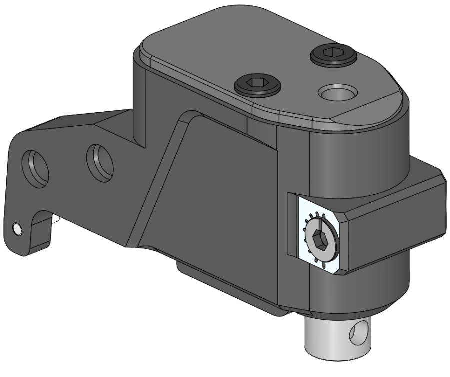
#10 Add more oil into damper. The oil level should be a little over the upper edge of **AM242**. Use long M3 screw in the special hole of **AM240** for holding. **AM240** cover should be inserted 100% horizontally and slowly to allow the oil to fill the cavity of **AM240** and to oust the air through two through holes of **AM240**. **AM240** should dive into oil under its weight on this stage.
Next press on **AM240** with finger slowly and submerge **AM240** cover full way into the pocket of **AM242** body.





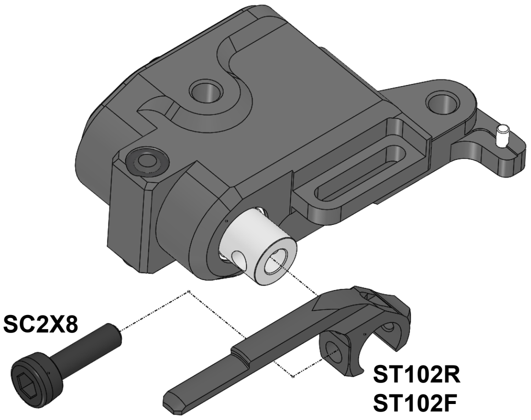
#11 Keep the damper vertically on table and screw two **ST122** screws. Please don't overtighten screws to avoid the thread stripping! Wipe excess oil off the damper body with paper towels and remove M3 screw.

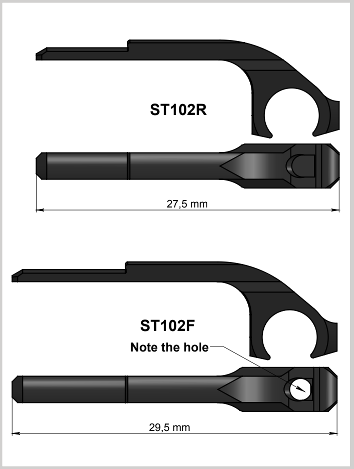


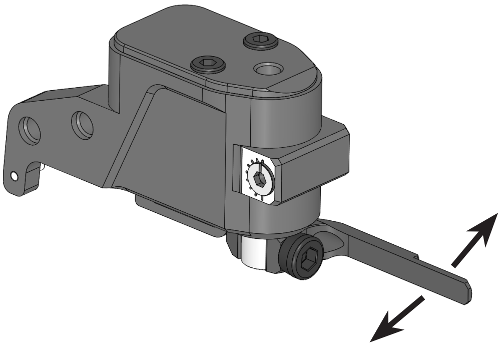


#12 Install **ST102F** (longer part) on the front dampers and **ST102R** (shorter part) on the rear dampers.

Keep the damper vertically and swing **AT241** rotor few times in both directions. In case you feel the air bubbles inside the damper remove **AM240** cover, add the oil into the damper and repeat the **AM240** installation process.

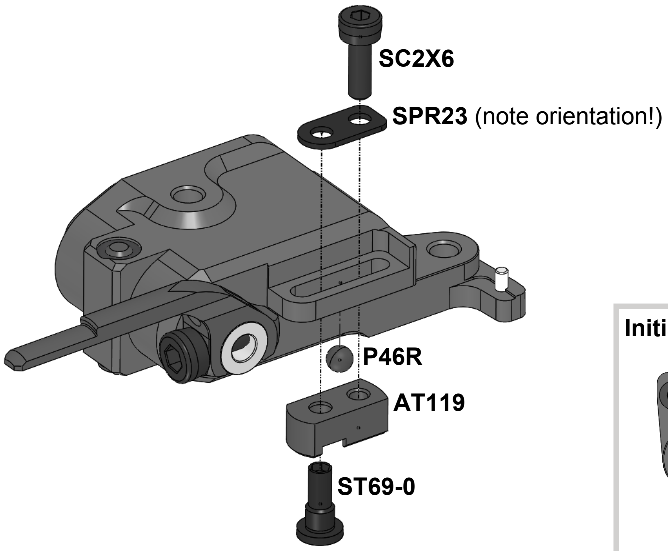


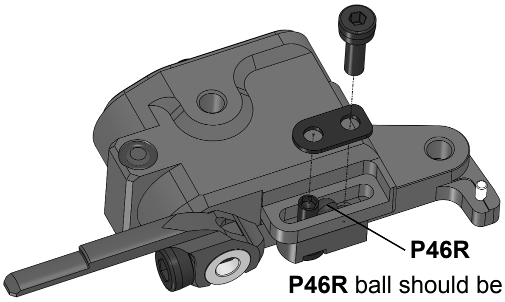




Comment: Note that dampers are used in the car in horizontal position. So the possible small air bubbles are located near to the top wall of the damper and don’t affect on the rotor action. So these dampers are equally effective on track even with a bit of the air bubbles inside. You can feel the air bubbles only when you place dampers vertically and air bubbles can go through the rotor blade edge.

#13 Install **AT119**, **SPR23**, **P46R**, **ST69-0** and note orientation of **SPR23** by the round end directed to the damper shaft.

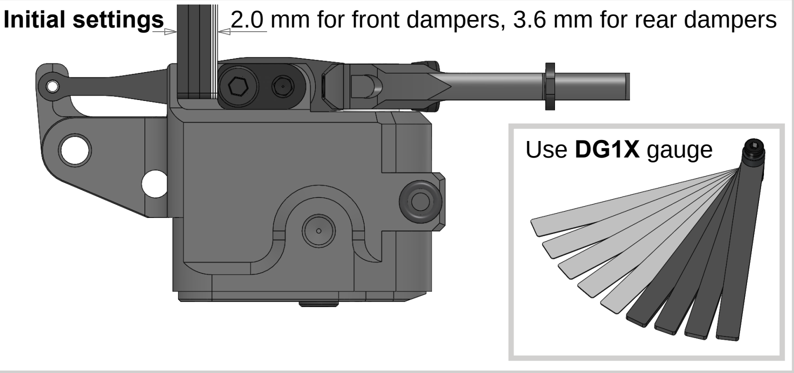




P46R ball should be placed between **SC2X6** screw and **ST69-00** screw.

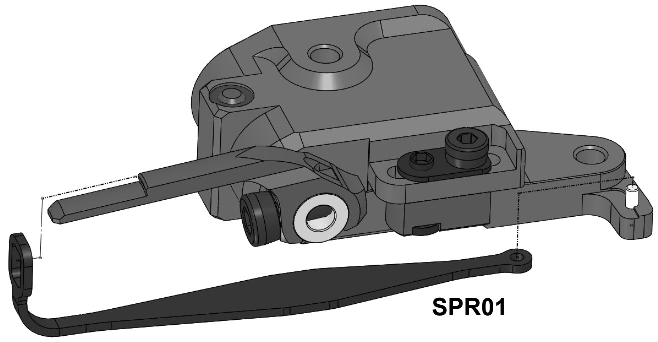
Optional **ST69-15 and ST69-25** screws for 15% and 25% spring’s action progression are available (not included).

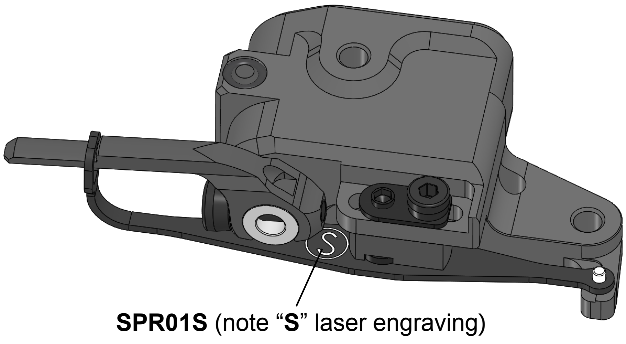
Initial settings 2.0 mm for front dampers, 3.6 mm for rear dampers



Use **DG1X** gauge

#14 Install **SPR01** springs (for **A800R** kits) or **SPR01S** springs (for **A800RA** kits).

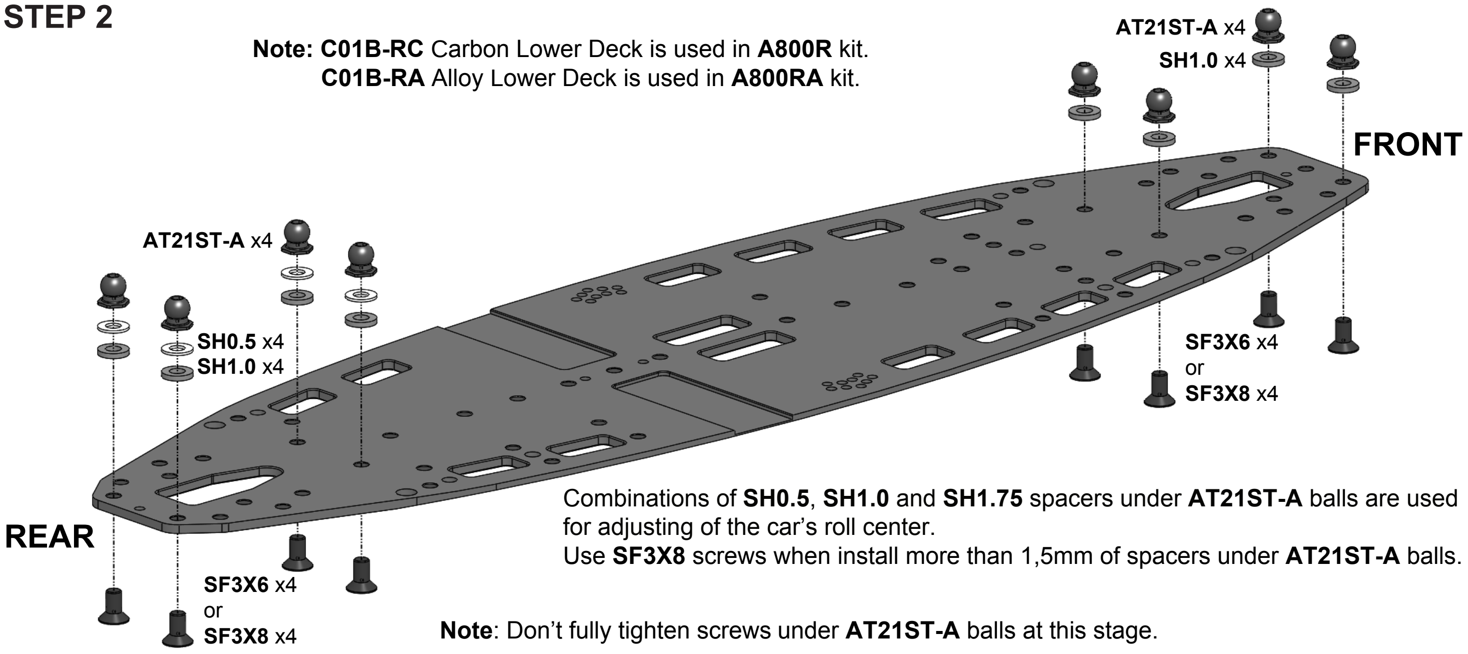




SPR01S (note “**S**” laser engraving)

STEP 2

Note: C01B-RC Carbon Lower Deck is used in **A800R** kit.
C01B-RA Alloy Lower Deck is used in **A800RA** kit.

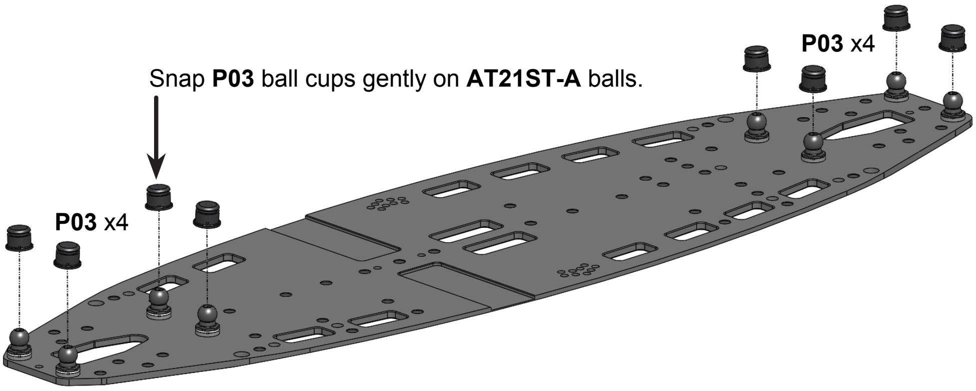

AT21ST-A x4
SH1.0 x4
FRONT
AT21ST-A x4
SH0.5 x4
SH1.0 x4
SF3X6 x4
or
SF3X8 x4
REAR
SF3X6 x4
or
SF3X8 x4

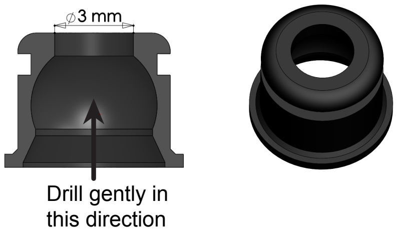
Combinations of **SH0.5**, **SH1.0** and **SH1.75** spacers under **AT21ST-A** balls are used for adjusting of the car's roll center.
Use **SF3X8** screws when install more than 1,5mm of spacers under **AT21ST-A** balls.

Note: Don't fully tighten screws under **AT21ST-A** balls at this stage.

STEP 3

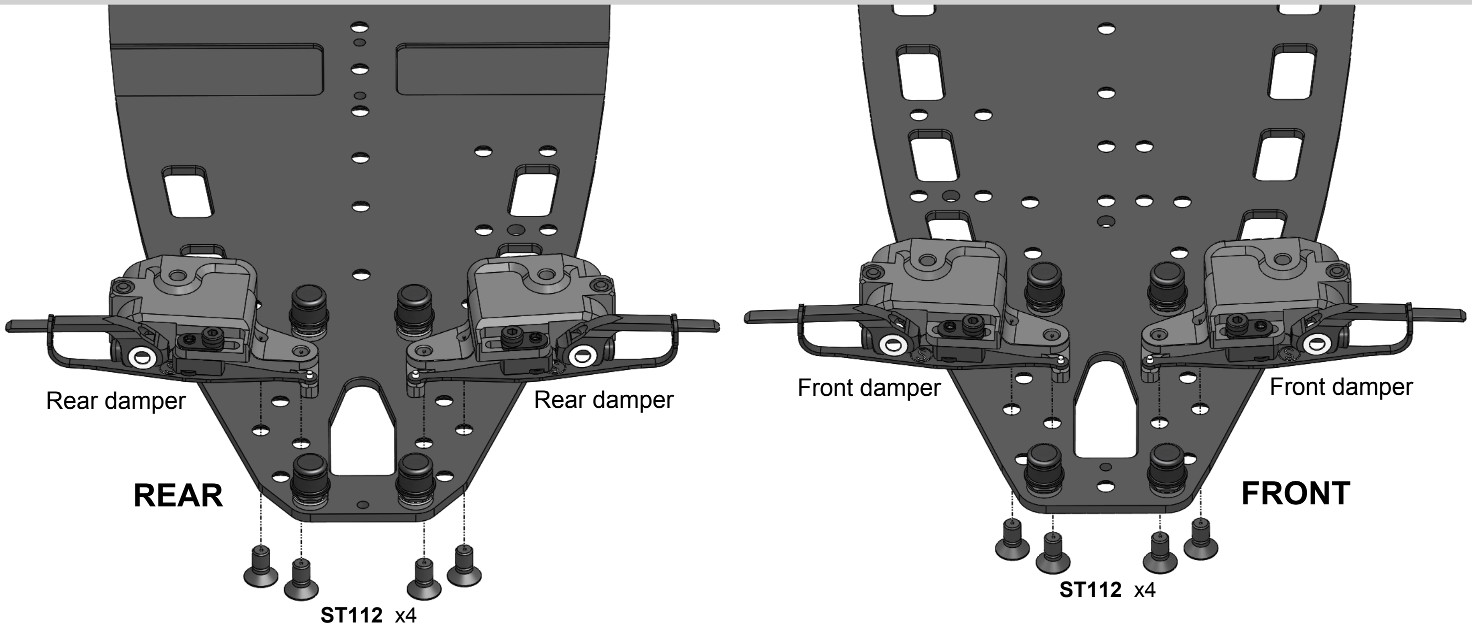
Snap **P03** ball cups gently on **AT21ST-A** balls.


P03 x4
P03 x4


⌀3 mm
Drill gently in this direction

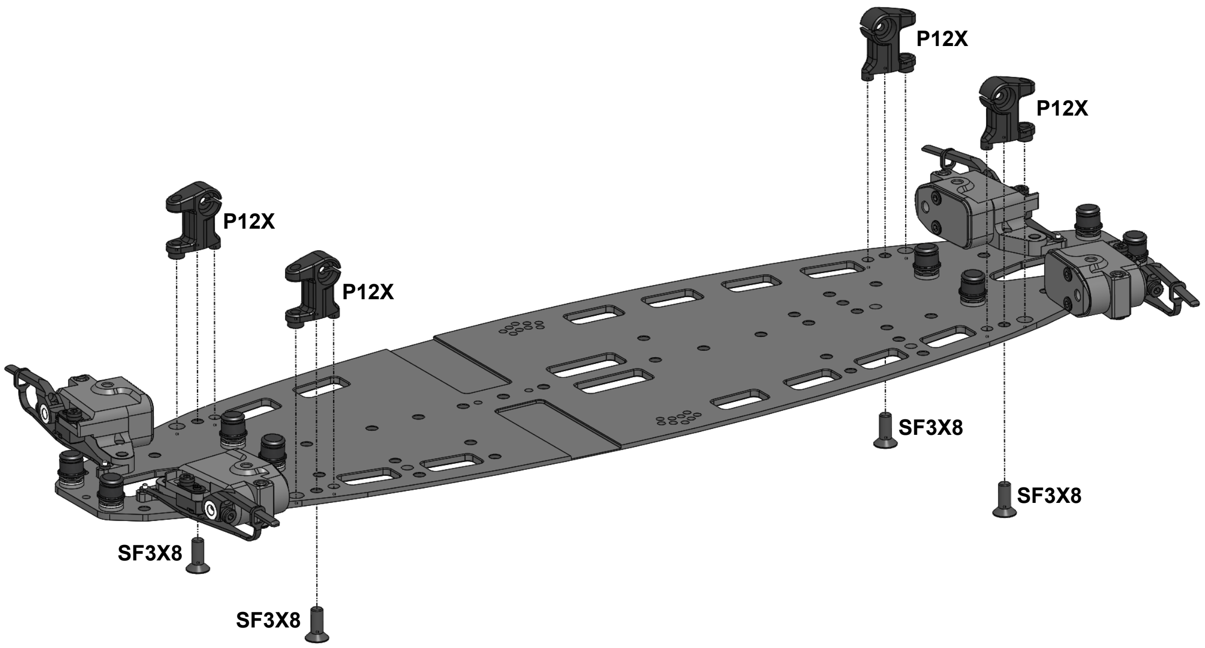
Tip!
Drill 3 mm hole in **P03** cups for convenient tightening of **AT21ST-A** balls with already installed **P03** cups via 2mm hex driver.

STEP 4

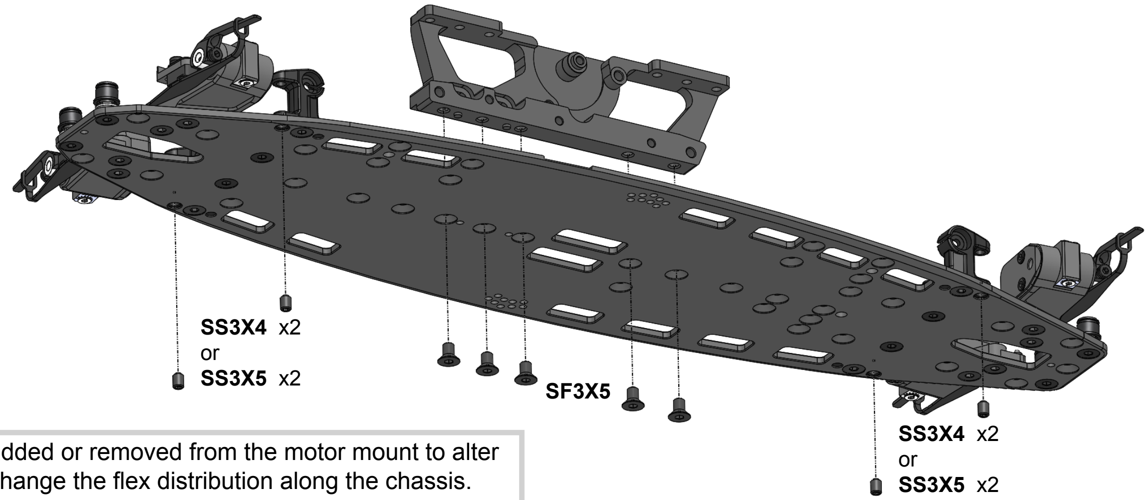

Rear damper
Rear damper
REAR
ST112 x4
Front damper
Front damper
FRONT
ST112 x4

Note: Use **ST112** centering screws for dampers mounting.

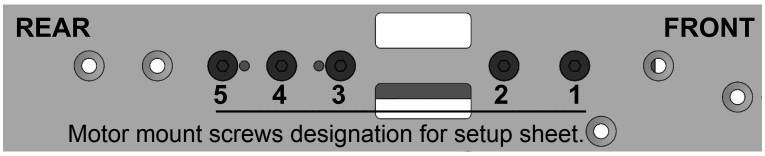
STEP 5


P12X
P12X
P12X
P12X
SF3X8
SF3X8
SF3X8
SF3X8

STEP 6


SS3X4 x2
or
SS3X5 x2
SF3X5
SS3X4 x2
or
SS3X5 x2

SF3X5 screws can be added or removed from the motor mount to alter overall flex, as well as change the flex distribution along the chassis.

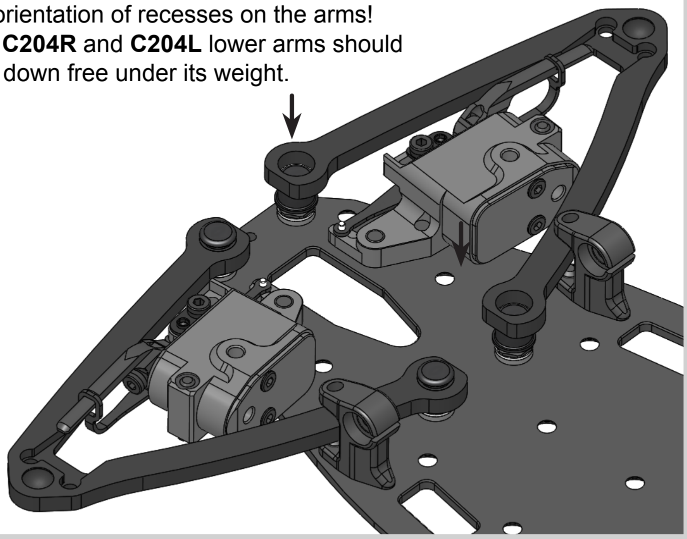

REAR
FRONT
5
4
3
2
1

Motor mount screws designation for setup sheet.

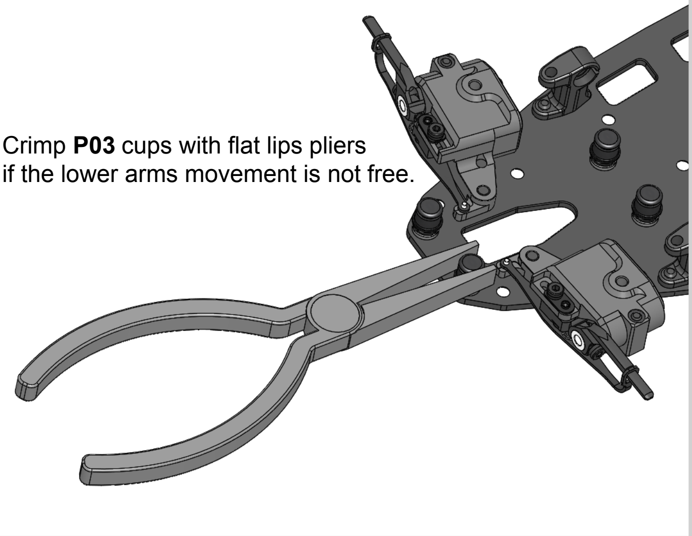
Note: SS3X5 set screws should be used if more than 2 mm spacers are used under **AT21ST-A** balls.

STEP 7

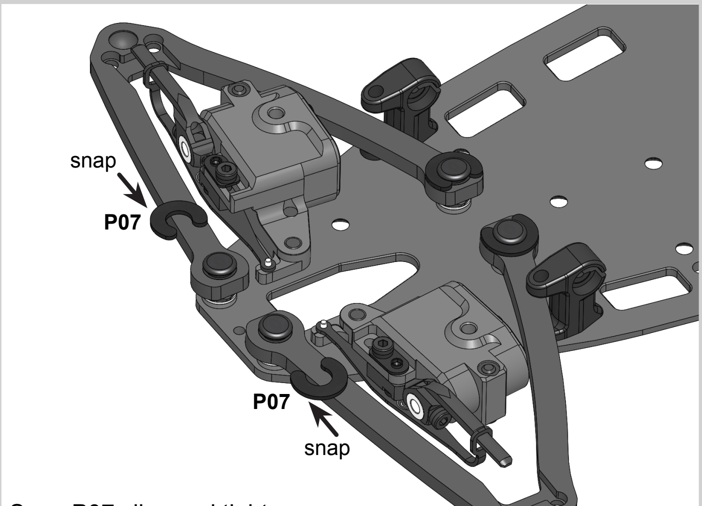
Snap **C204R** and **C204L** lower arms on **P03** cups.
Note orientation of recesses on the arms!
Note: **C204R** and **C204L** lower arms should swing down free under its weight.



Crimp **P03** cups with flat lips pliers
if the lower arms movement is not free.

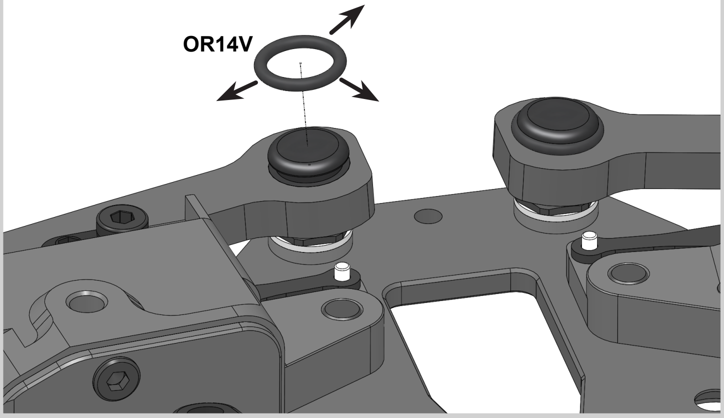


STEP 8

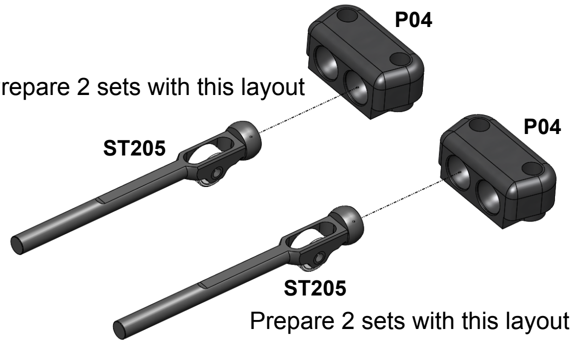

snap
P07
P07
snap

Snap **P07** clips and tighten
SB3X6 screws under **AT21ST-A** balls after.

Optional **OR14V** rubber o-rings can be used instead of **P07** clips.

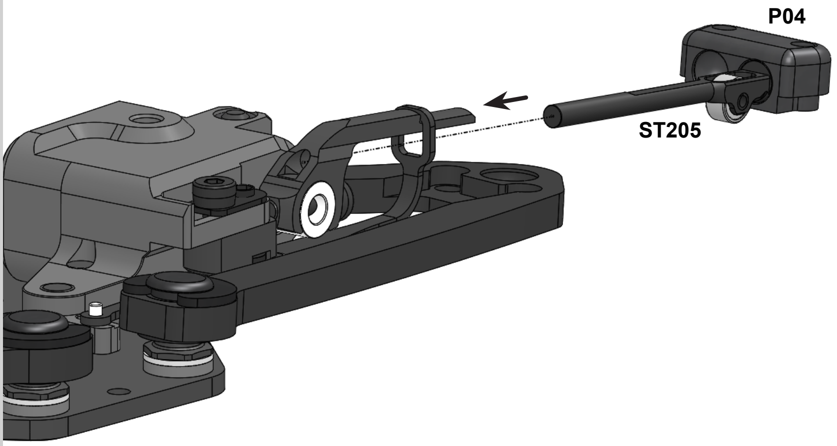


STEP 9

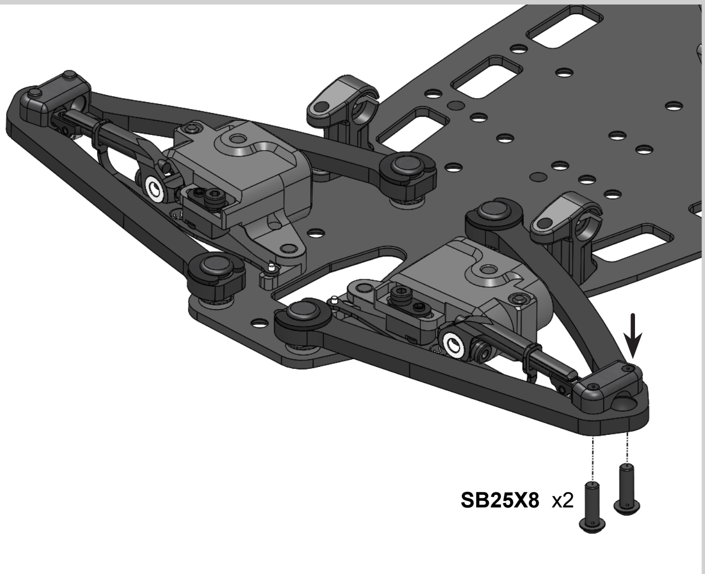

P04
ST205
P04
ST205

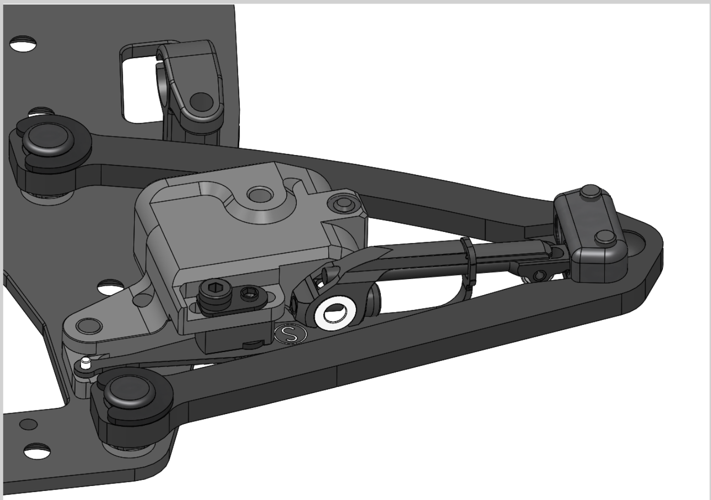
Prepare 2 sets with this layout

Prepare 2 sets with this layout



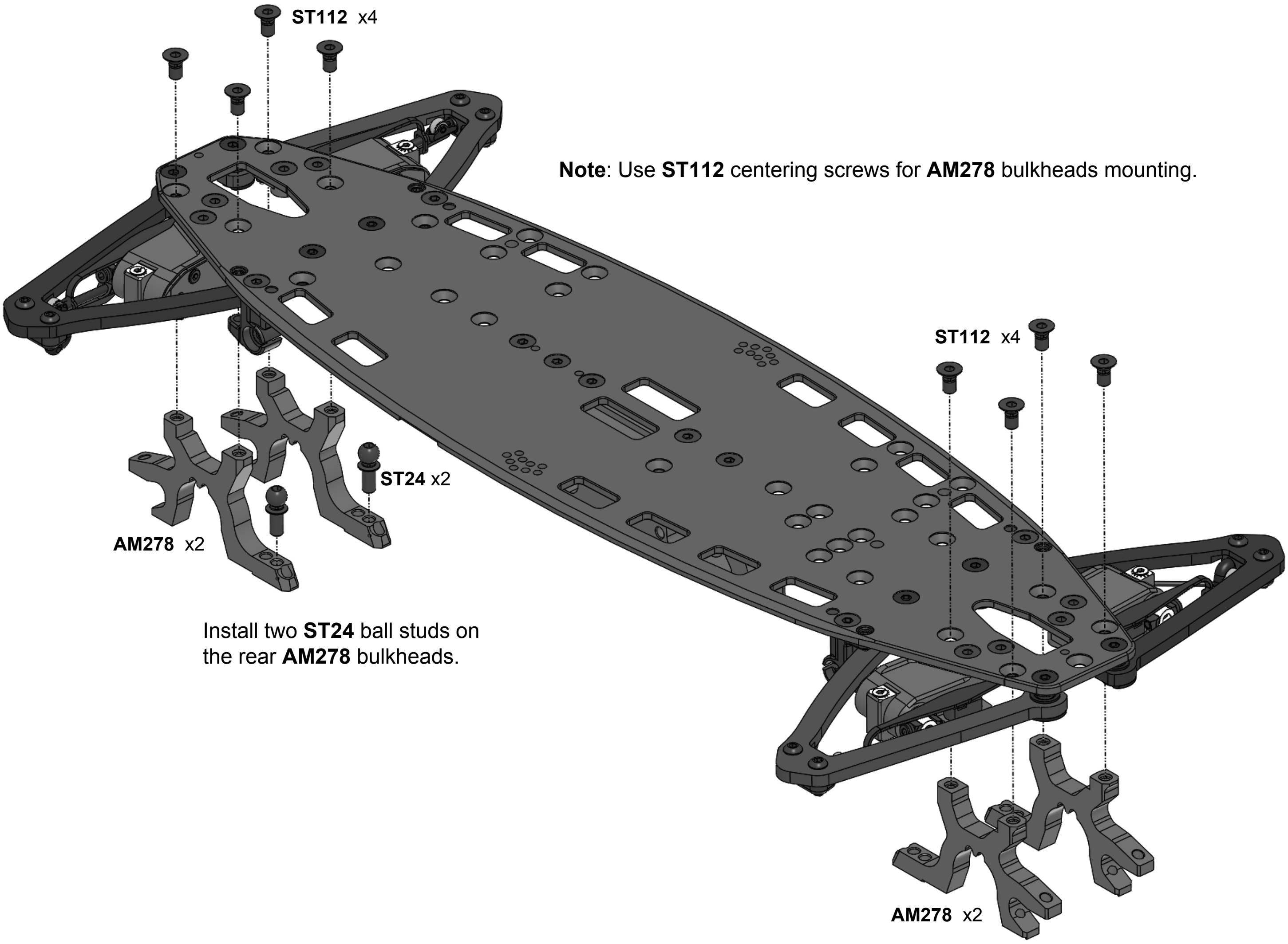
STEP 10





Install **ST205** with **P04** on all four suspension arms.

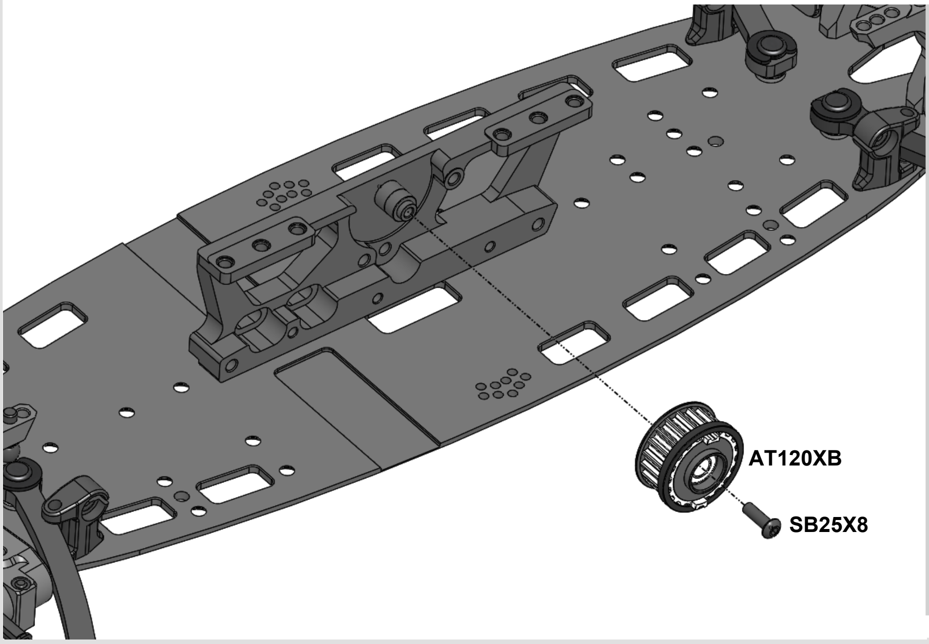
STEP 11

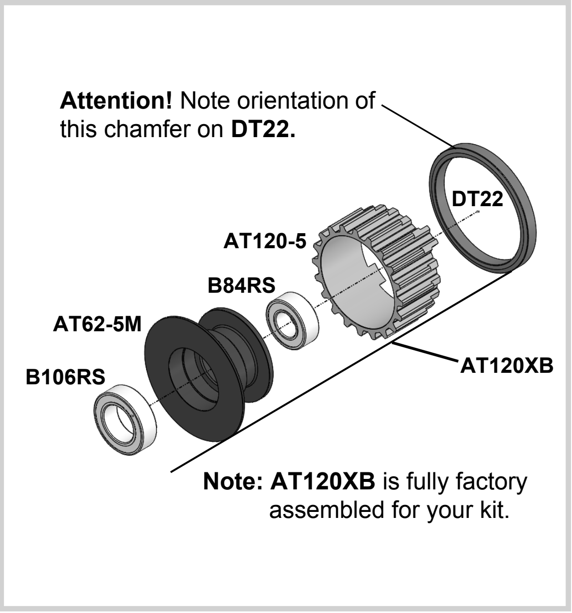

ST112 x4
ST24 x2
AM278 x2
ST112 x4
AM278 x2

Note: Use **ST112** centering screws for **AM278** bulkheads mounting.

Install two **ST24** ball studs on the rear **AM278** bulkheads.

STEP 12

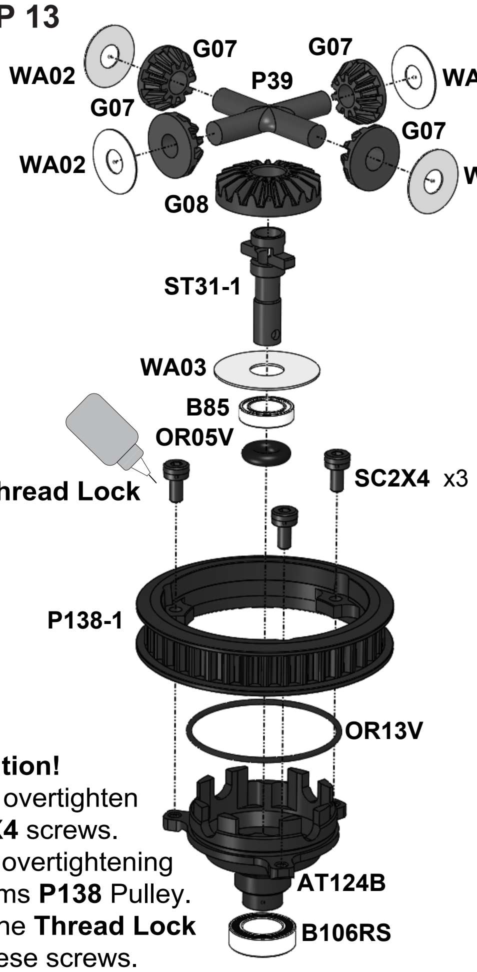

AT120XB
SB25X8


DT22
AT120-5
B84RS
AT62-5M
B106RS
AT120XB

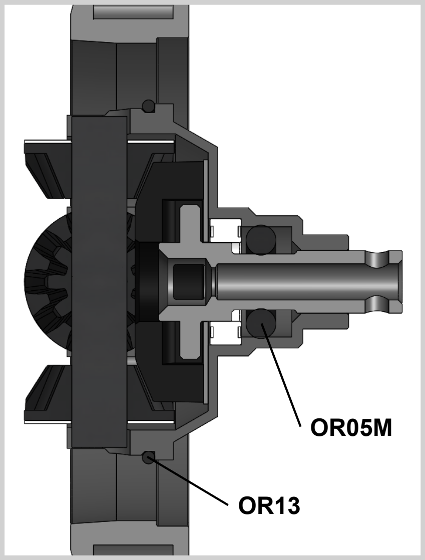
Attention! Note orientation of this chamfer on **DT22.**

Note: AT120XB is fully factory assembled for your kit.

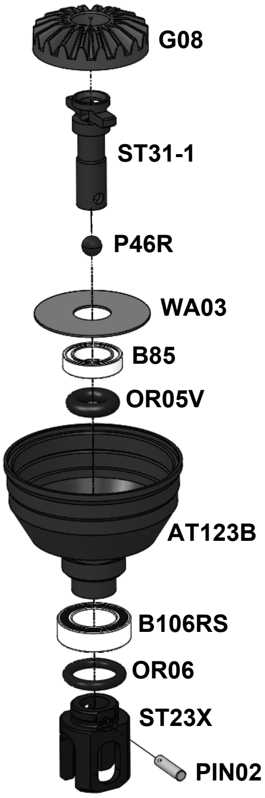
STEP 13


WA02
G07
G07
P39
WA02
G07
WA02
G07
WA02
G08
ST31-1
WA03
B85
OR05V
Thread Lock
SC2X4 x3
P138-1
OR13V
AT124B
B106RS

Attention!
Don’t overtighten **SC2X4** screws.
Such overtightening deforms **P138** Pulley.
Use the **Thread Lock** for these screws.



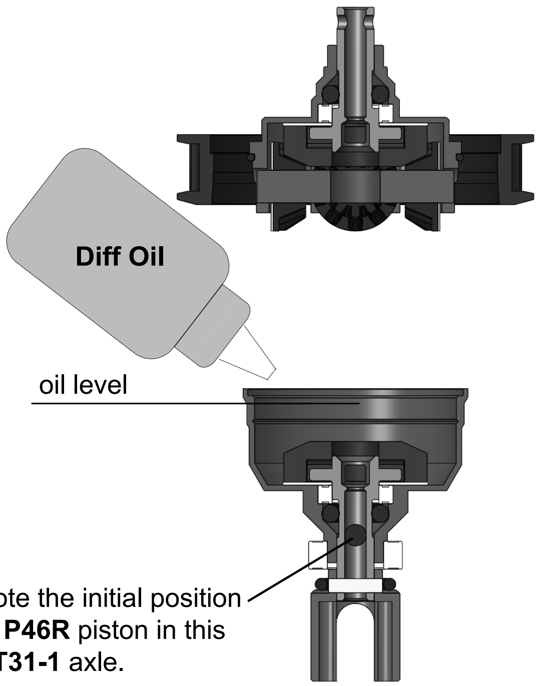
STEP 14


G08
ST31-1
P46R
WA03
B85
OR05V
AT123B
B106RS
OR06
ST23X
PIN02

TIP / Recommendation to use
MAX-01-003 - MXLR O-Ring grease (for OR05V)
MAX-02-002 - MXLR Awesomatix TC Multi Tool

STEP 15

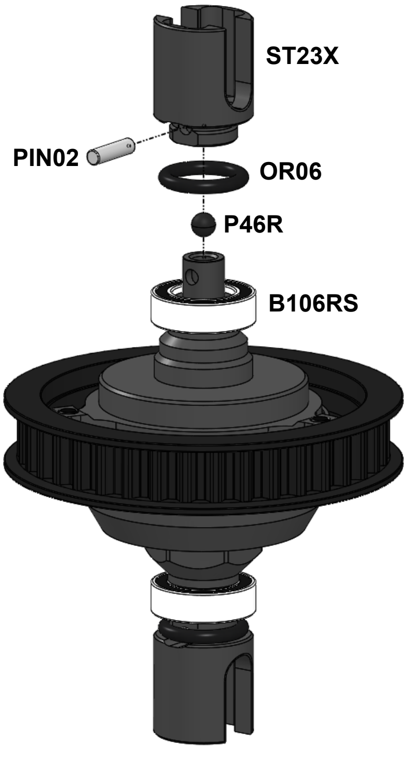
Fill with desirable silicone oil (not included).
Screw **AT123B** case with 10mm wrench slowly.
The excessive oil will go out through the **ST31-1** axial hole.


Diff Oil
oil level

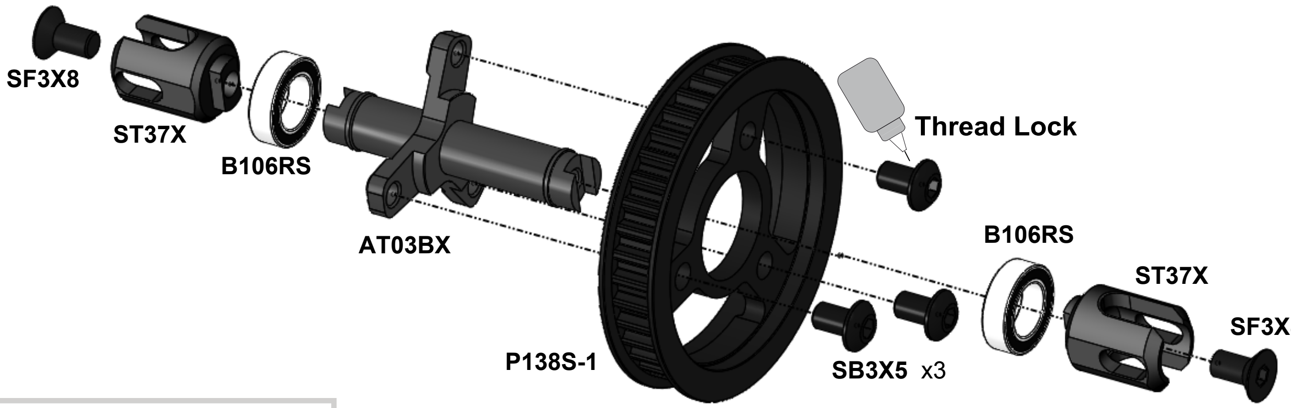
Note the initial position of **P46R** piston in this **ST31-1** axle.

STEP 16

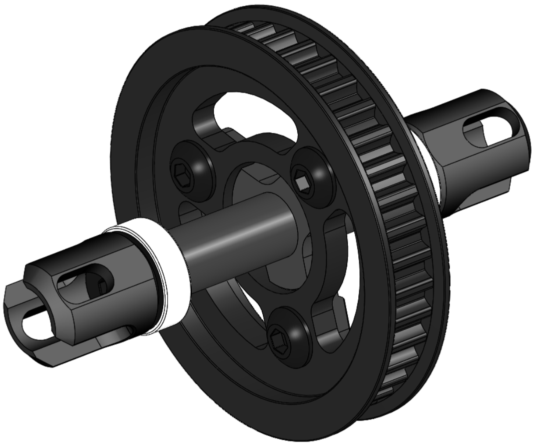
TIP / Recommendation to use
MAX-01-001 - MXLR Ball Bearing oil

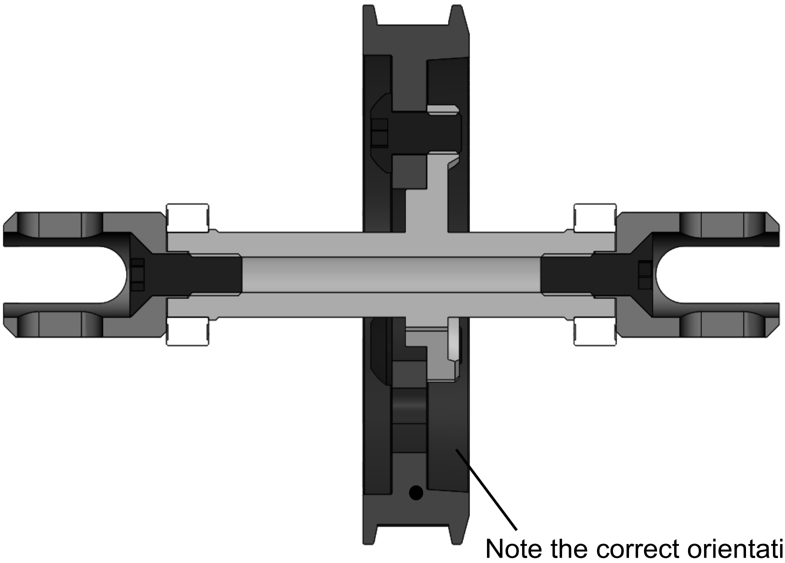

ST23X
PIN02
OR06
P46R
B106RS

STEP 17


SF3X8
ST37X
B106RS
AT03BX
Thread Lock
P138S-1
B106RS
ST37X
SF3X8
SB3X5 x3

TIP / Recommendation to use
MAX-01-001 - MXLR Ball Bearing oil

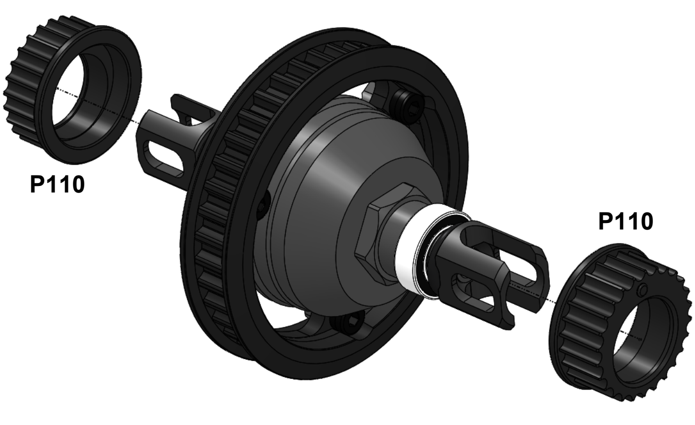


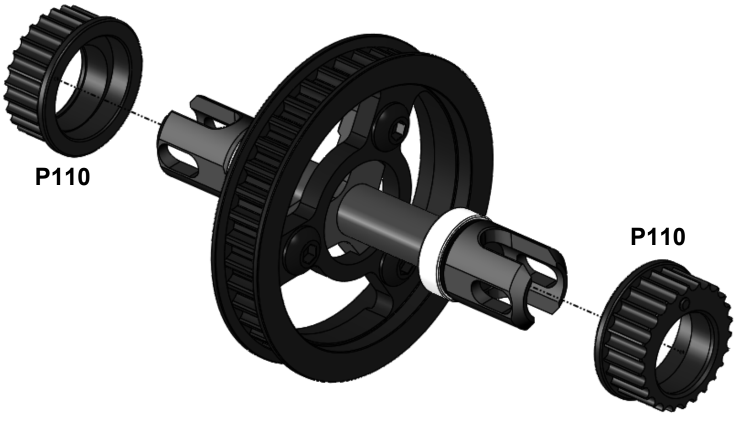


Note the correct orientation of **AT03BX** Axle regarding to **P138S** Pulley.

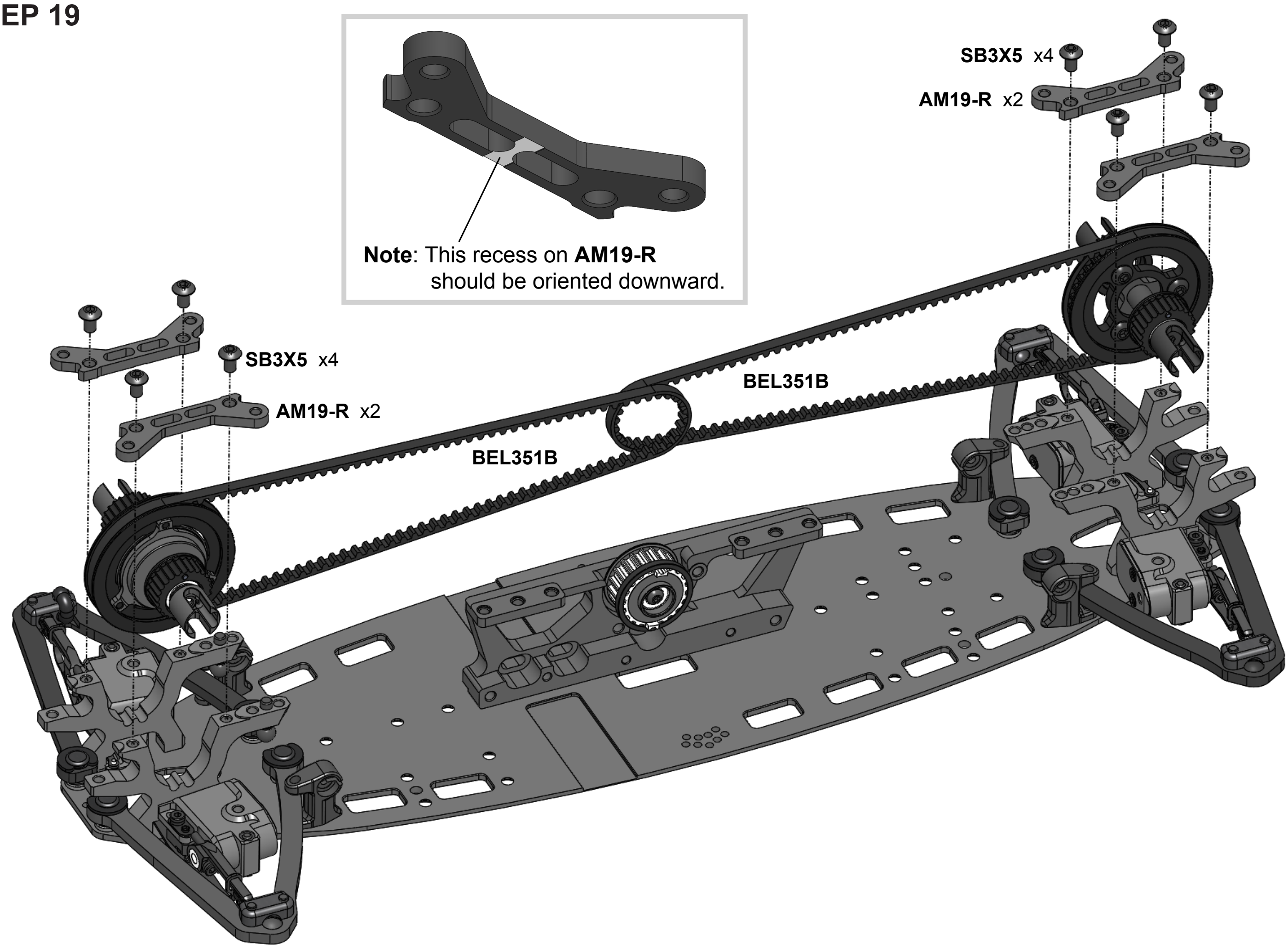
Attention!
Don’t overtighten **SC3X5** screws.
Such overtightening deforms **P138S** Pulley.
Use the **Thread Lock** for these screws.

STEP 18



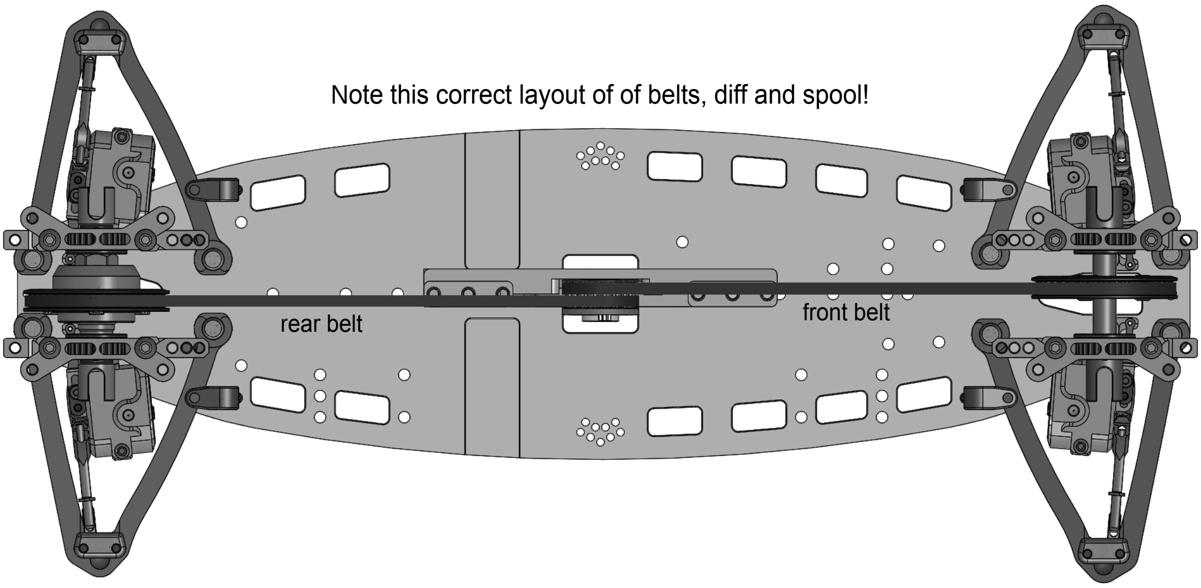


STEP 19

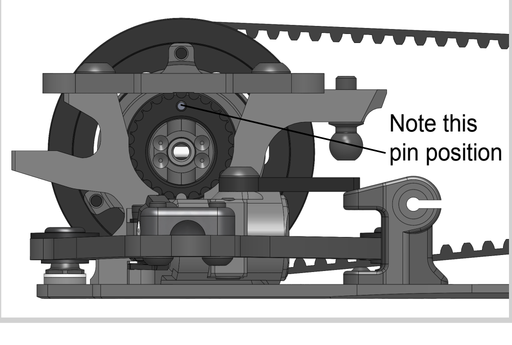

SB3X5 x4
AM19-R x2
SB3X5 x4
AM19-R x2
BEL351B
BEL351B

Note: This recess on **AM19-R** should be oriented downward.

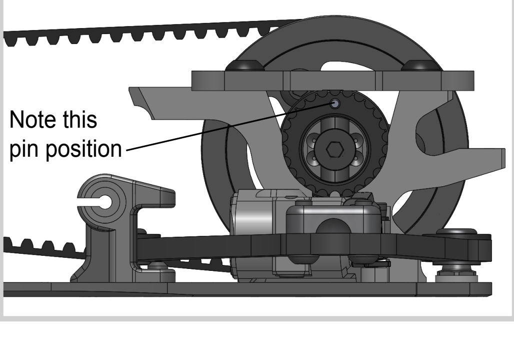
Note this correct layout of of belts, diff and spool!


rear belt
front belt

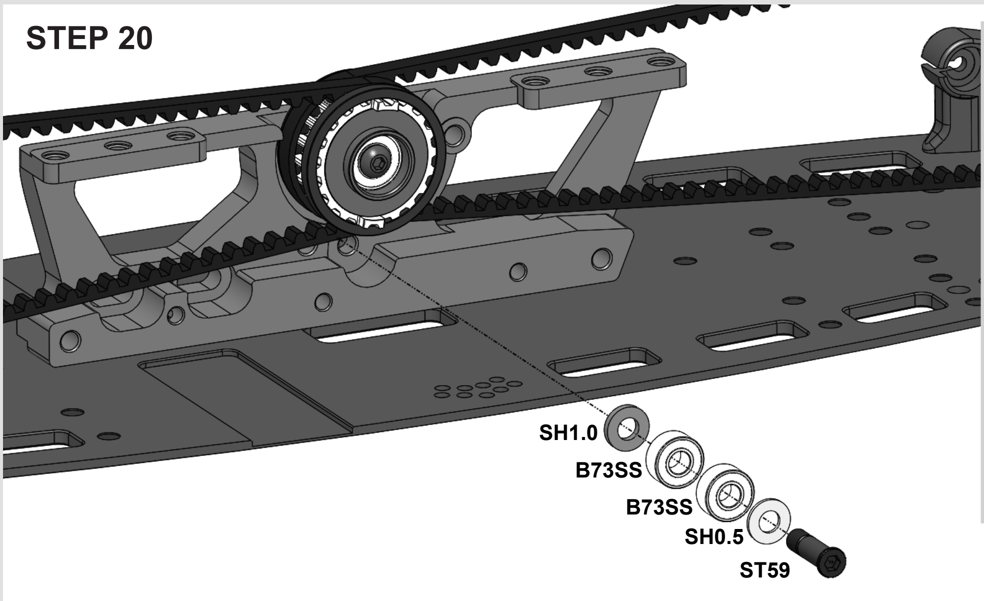
Initial position of rear **P110**

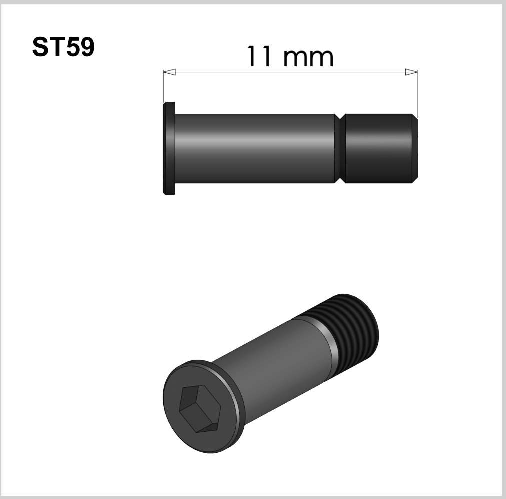

Note this
pin position

Initial position of front **P110**

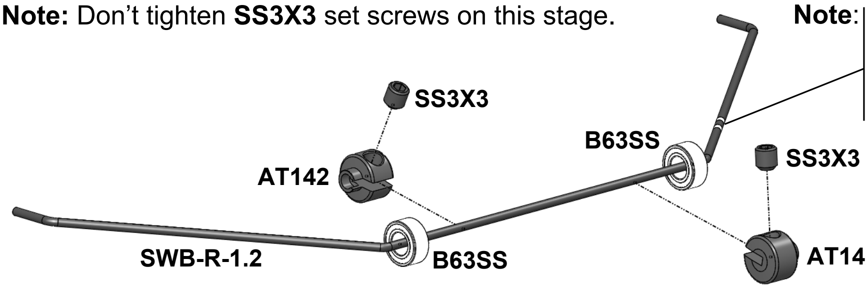

Note this
pin position

STEP 20


SH1.0
B73SS
B73SS
SH0.5
ST59



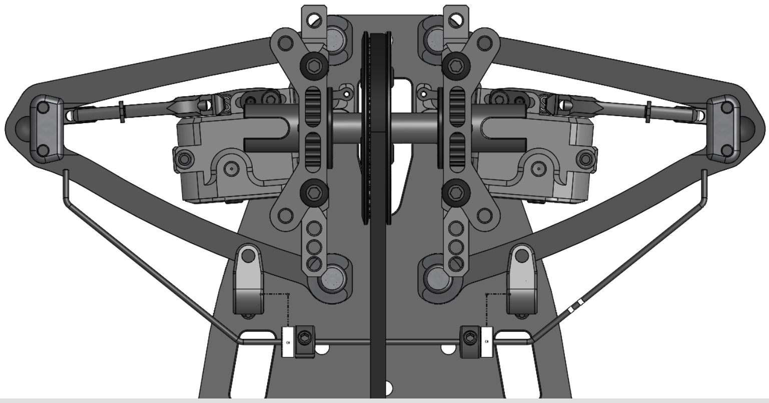
STEP 21


SS3X3
AT142
B63SS
SS3X3
SWB-R-1.2
B63SS
AT142

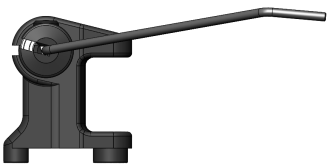
Note: Don't tighten **SS3X3** set screws on this stage.

Note:
SWB-R-1.3 - three strips
SWB-R-1.2 - two strips
SWB-R-1.1 - one strip
SWB-R-1.0 - no strips

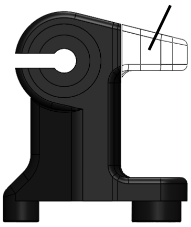
Install rear and front sway bars into **P12X**.
Adjust **AT142** stoppers disposal to reach the centered position of sway bars and tighten **SS3X3** set screws after that.



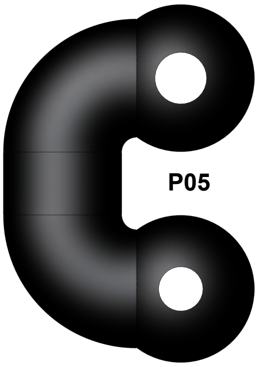
Attention!
The deflected tips of sway bar should be directed downwards.



Cut off this leg of **P12X** when using more than 3 mm spacers under **AT21ST-A** balls.

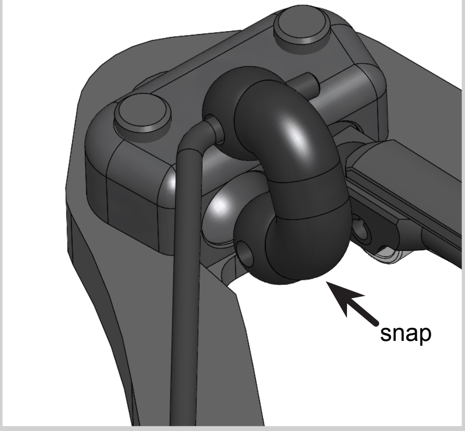


STEP 22

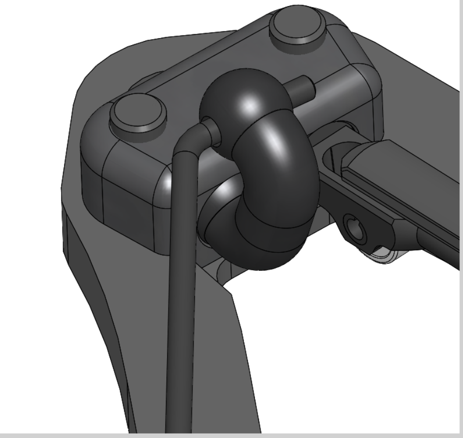


Use bigger hole for **SWB-R-1.2** and **SWB-R-1.3** sway bars.

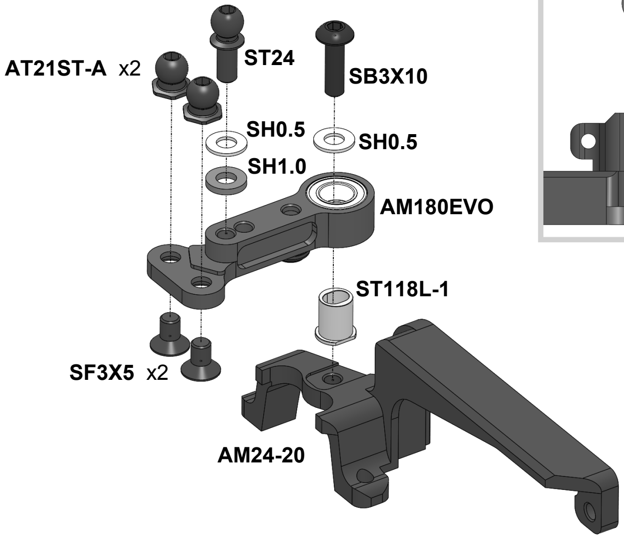
Use smaller hole for **SWB-R-1.0** and **SWB-R-1.1** sway bars.

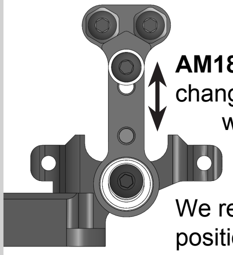


Install **P05** on all four suspension arms.

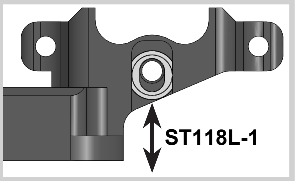


STEP 23


AT21ST-A x2
ST24
SB3X10
SH0.5
SH0.5
SH1.0
AM180EVO
ST118L-1
SF3X5 x2
AM24-20

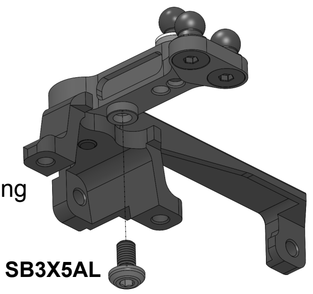


AM180EVO bellcrank position can be changed via shifting of **ST118L-1** axle within 1mm range for adjusting of the Ackermann setting.

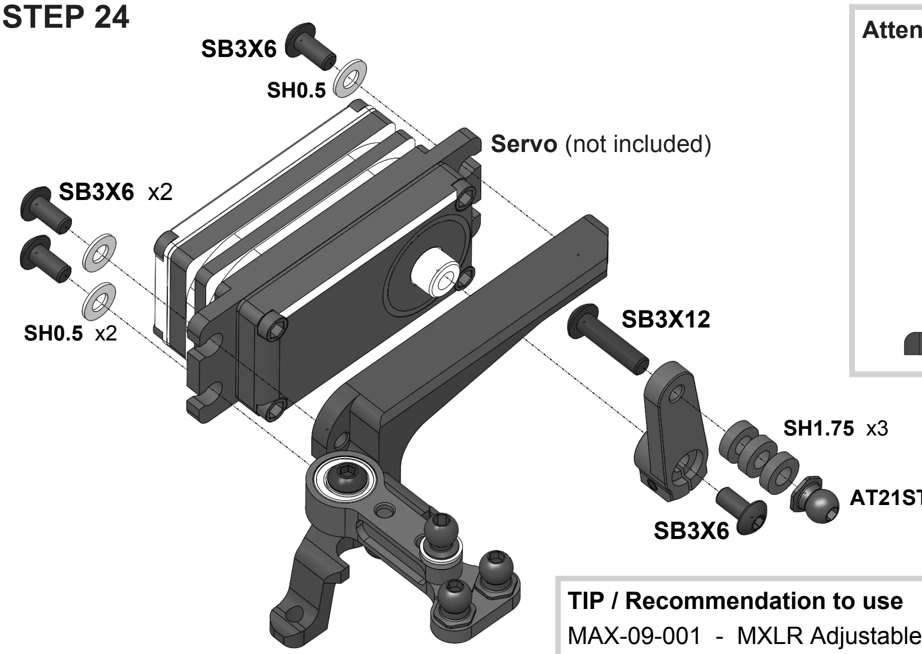


We recommend the rearward position for carpet and the forward position of **AM180EVO** bellcrank for asphalt tracks.

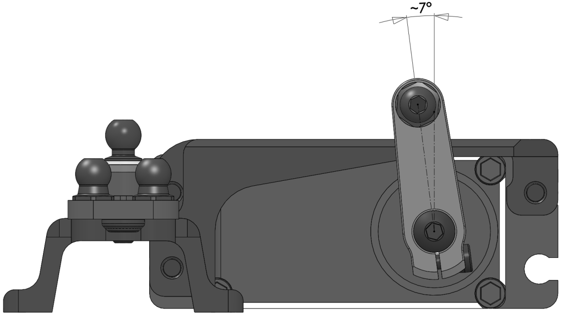
Use **SB3X5AL** screw as a steering limiter (usually on carpet tracks).



STEP 24


SB3X6
SH0.5
Servo (not included)
SB3X6 x2
SH0.5 x2
SB3X12
SH1.75 x3
AT21ST-A
SB3X6

Attention! Servo horn neutral position.



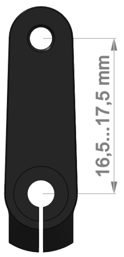
TIP / Recommendation to use

MAX-09-001 - MXLR Adjustable Servo Arm 23T

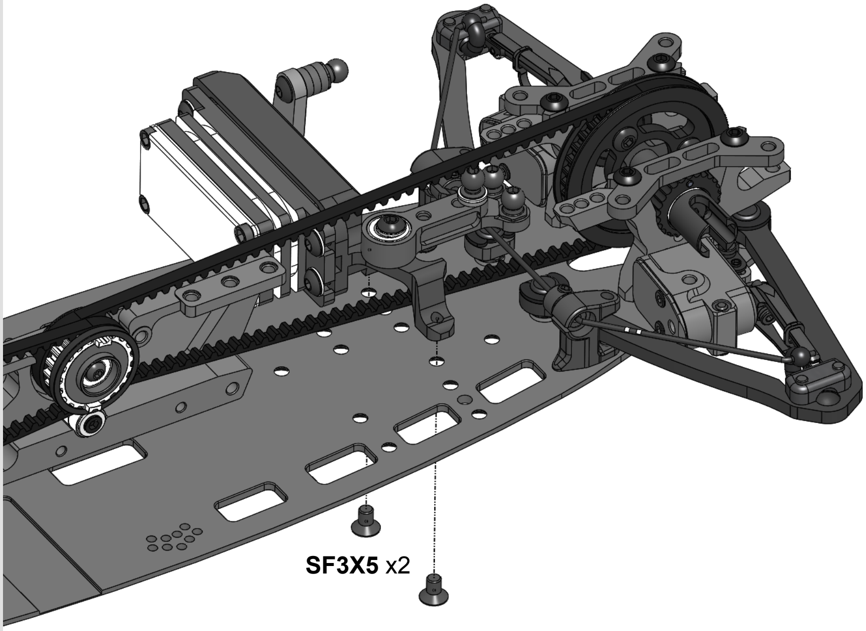
MAX-09-002 - MXLR Adjustable Servo Arm 25T

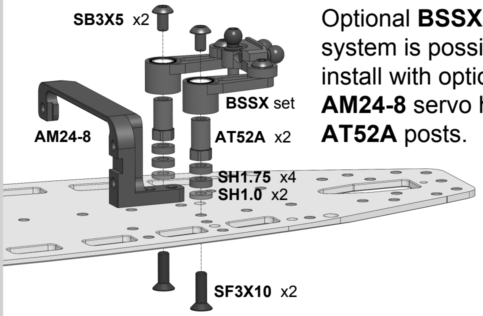
Servo horn (not included)

Note:
Recommended length of the servo horn 16,5-17,5 mm.



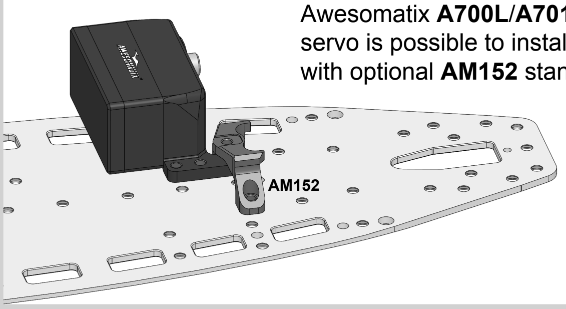
STEP 25



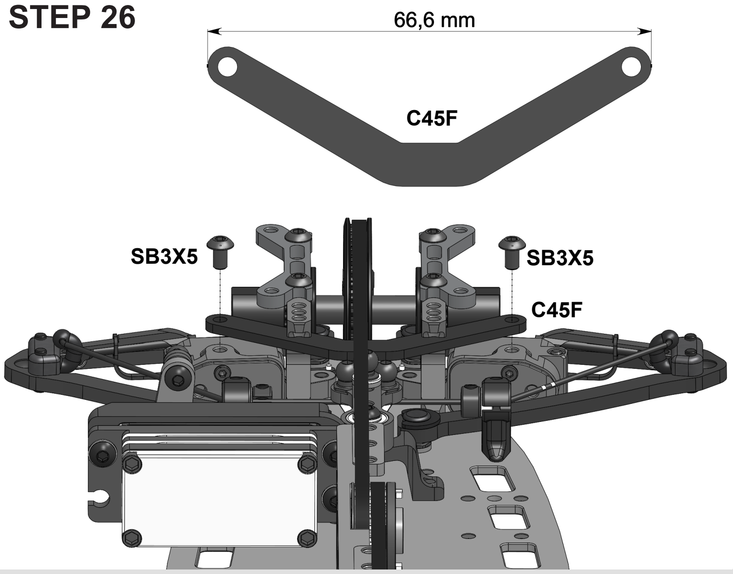

SB3X5 x2
BSSX set
AM24-8
AT52A x2
SH1.75 x4
SH1.0 x2
SF3X10 x2

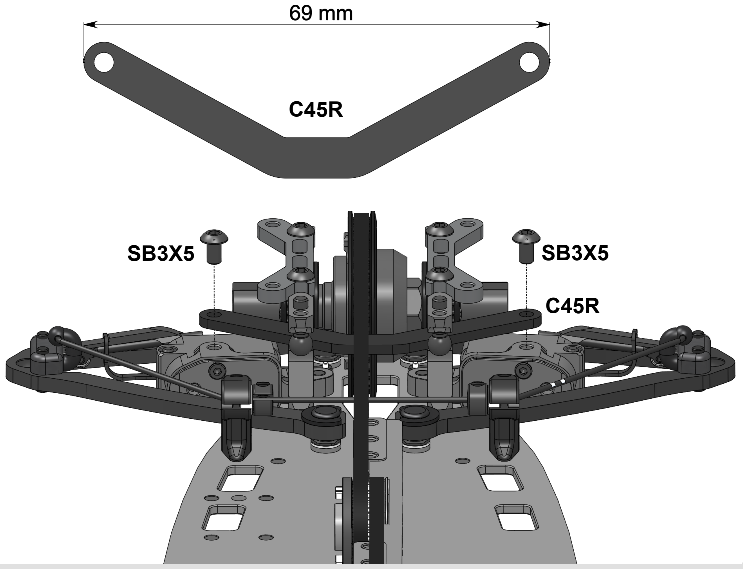
Optional **BSSX** steering system is possible to install with optional **AM24-8** servo holder and **AT52A** posts.

Awesomatix **A700L**/**A701L** servo is possible to install with optional **AM152** stand.

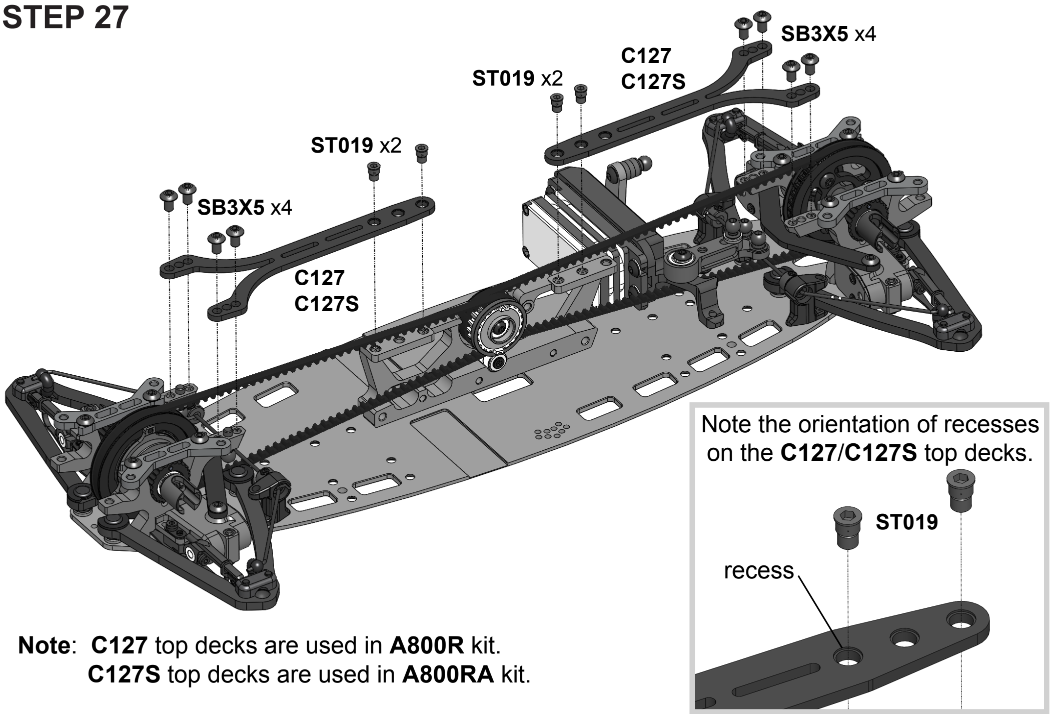


STEP 26


66,6 mm
C45F
SB3X5
SB3X5
C45F

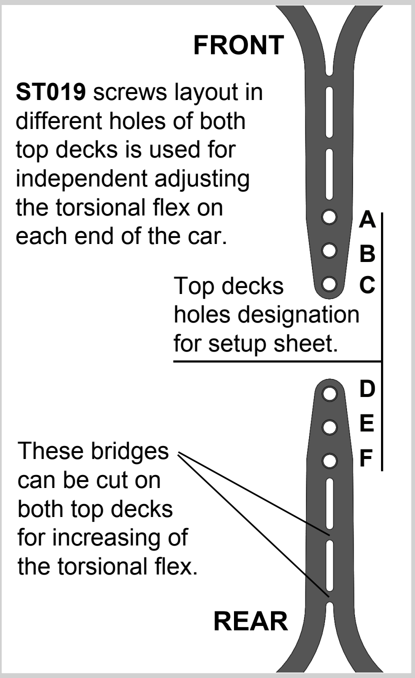

69 mm
C45R
SB3X5
SB3X5
C45R

STEP 27


SB3X5 x4
C127
C127S
ST019 x2
ST019 x2
SB3X5 x4
C127
C127S
ST019
recess

Note the orientation of recesses on the **C127**/**C127S** top decks.

Note: **C127** top decks are used in **A800R** kit.
C127S top decks are used in **A800RA** kit.

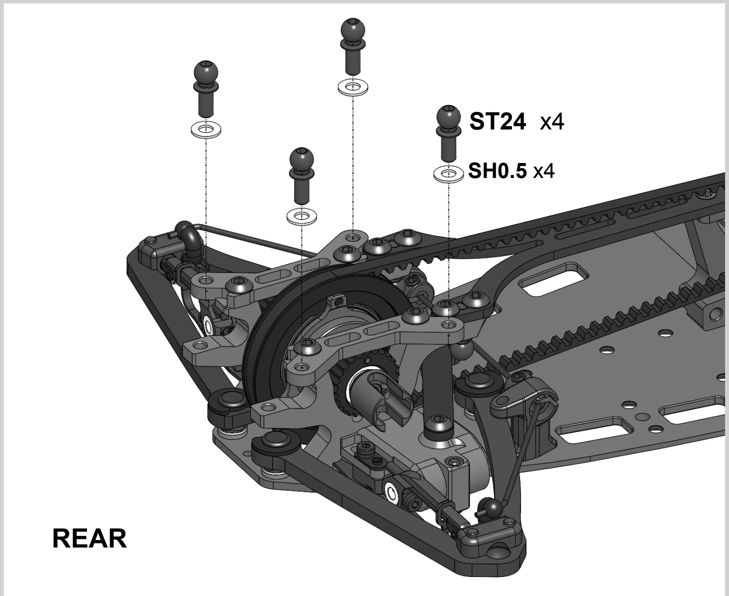

FRONT
A
B
C
D
E
F
REAR

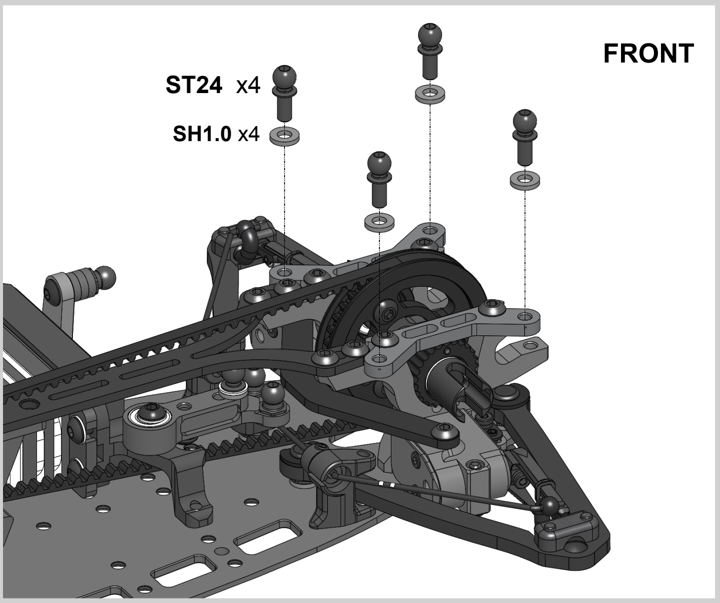
ST019 screws layout in different holes of both top decks is used for independent adjusting the torsional flex on each end of the car.

Top decks holes designation for setup sheet.

These bridges can be cut on both top decks for increasing of the torsional flex.

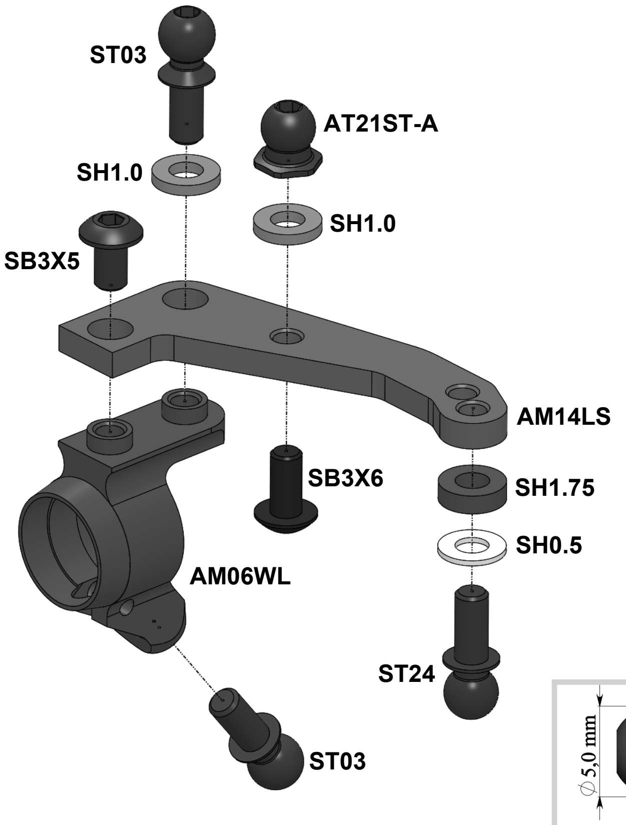
STEP 28


ST24 x4
SH0.5 x4
REAR

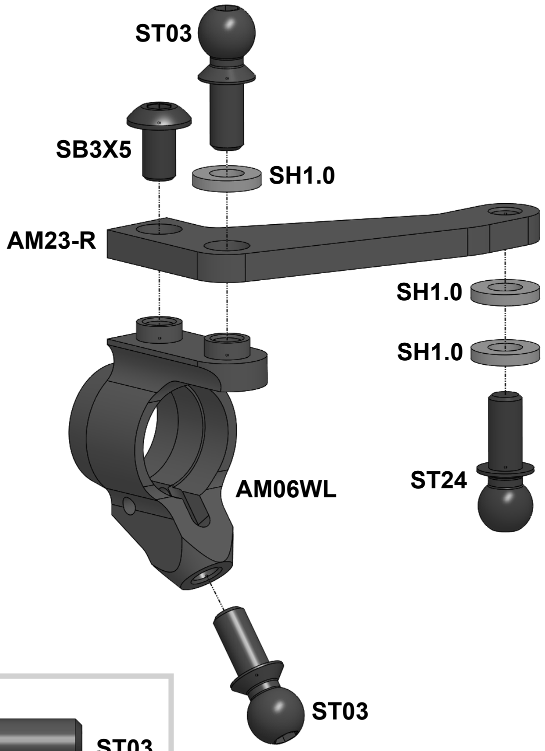

FRONT
ST24 x4
SH1.0 x4

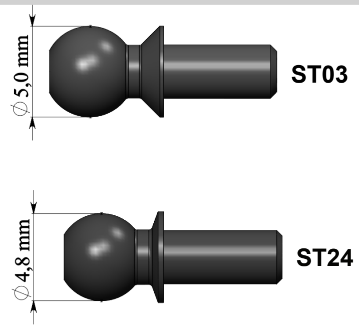
STEP 29

Front left steering knuckle


ST03
AT21ST-A
SH1.0
SH1.0
SB3X5
AM14LS
SB3X6
SH1.75
SH0.5
AM06WL
ST24
ST03

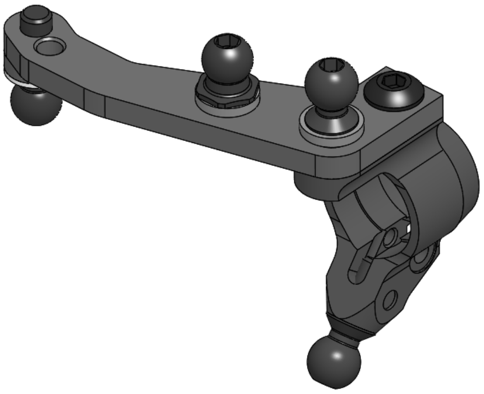
Rear right steering knuckle

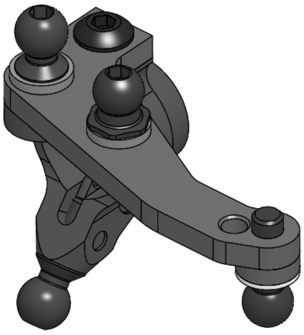

ST03
SB3X5
SH1.0
AM23-R
SH1.0
SH1.0
AM06WL
ST24
ST03


∅ 5,0 mm
ST03
∅ 4,8 mm
ST24

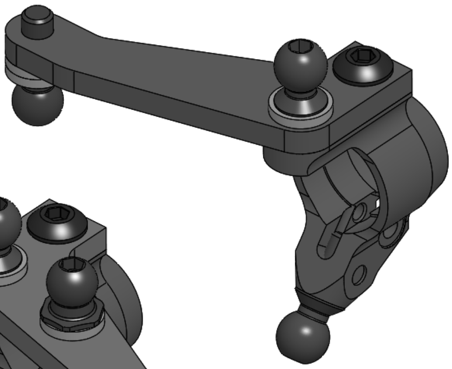
Note the difference between **ST03** and **ST24** Ball Studs!

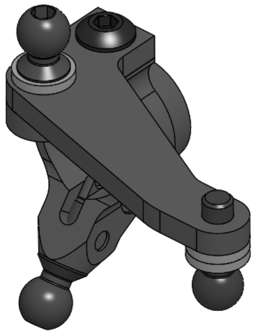
Note: Other combinations of **SH0.5, SH1.0** and **SH1.75** spacers can be installed under **ST03** and **ST24** ball studs to set-up the car for different track condition.





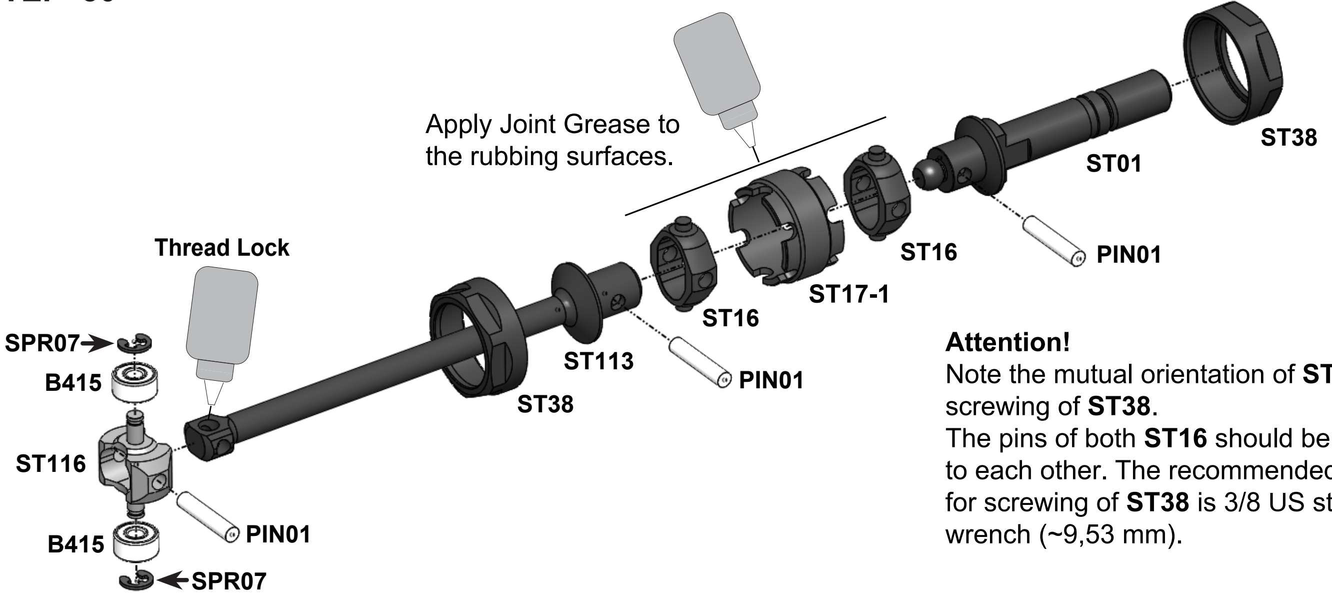
Assemble front right and front left steering knuckles.





Assemble rear right and rear left steering knuckles.

STEP 30

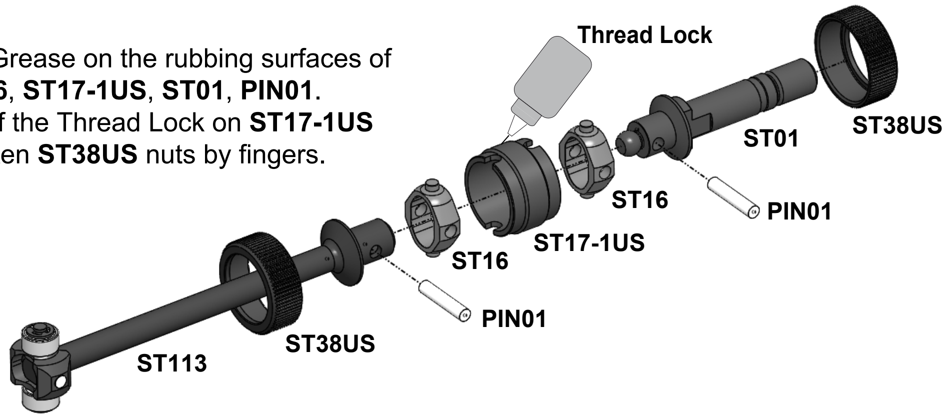

Thread Lock
SPR07
B415
ST116
B415
SPR07
PIN01
ST38
ST113
PIN01
ST16
ST17-1
ST16
PIN01
ST01
ST38

Apply Joint Grease to the rubbing surfaces.

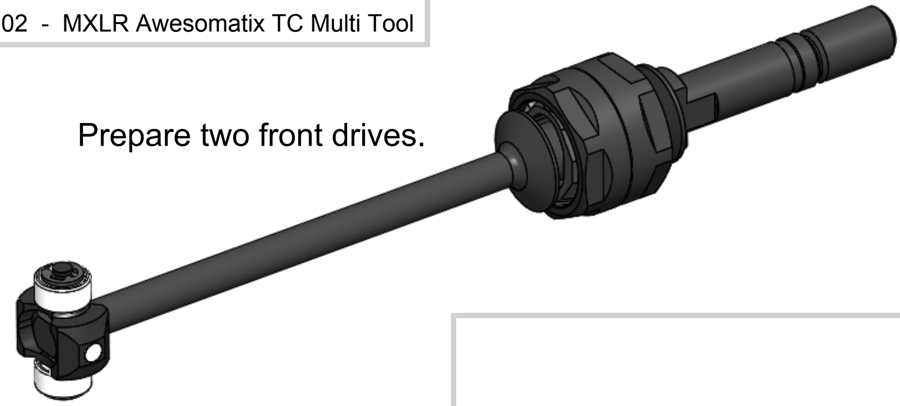
Attention!
Note the mutual orientation of **ST16** at screwing of **ST38**.
The pins of both **ST16** should be parallel to each other. The recommended wrench for screwing of **ST38** is 3/8 US standard wrench (~9,53 mm).

Version of the front drive for US-spec kits.

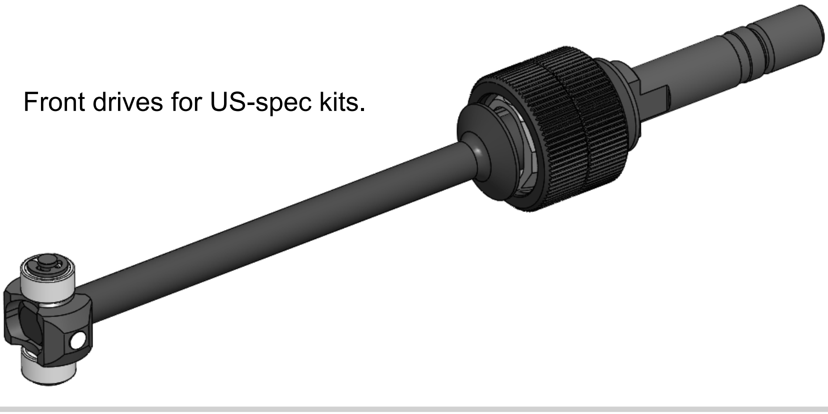
Attention!
Apply Joint Grease on the rubbing surfaces of **ST113**, **ST16**, **ST17-1US**, **ST01**, **PIN01**.
Apply a bit of the Thread Lock on **ST17-1US** thread. Tighten **ST38US** nuts by fingers.


Thread Lock
ST113
ST38US
PIN01
ST16
ST17-1US
ST16
PIN01
ST01
ST38US

TIP / Recommendation to use
MAX-01-002 - MXLR Driveshaft & Gears oil
MAX-02-002 - MXLR Awesomatix TC Multi Tool

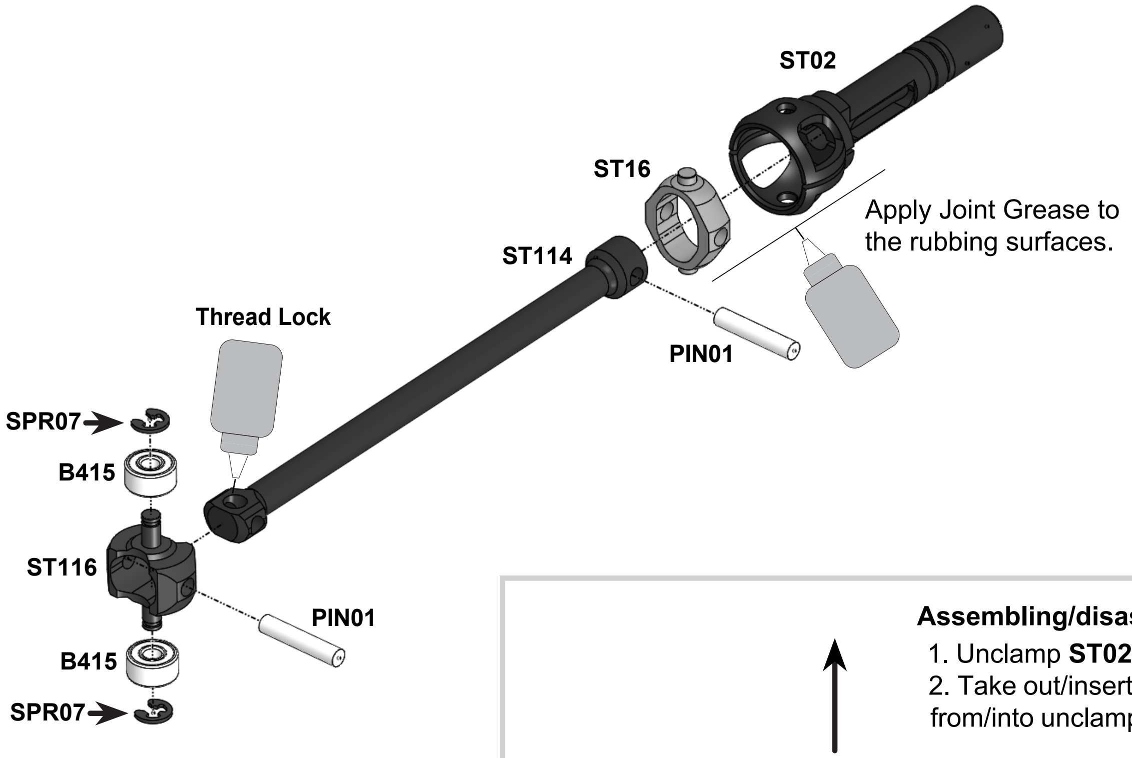


Prepare two front drives.



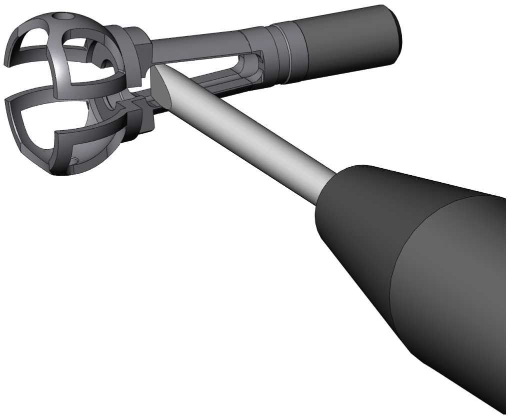
Front drives for US-spec kits.

STEP 31


ST02
ST16
ST114
Thread Lock
PIN01
SPR07
B415
ST116
PIN01
B415
SPR07

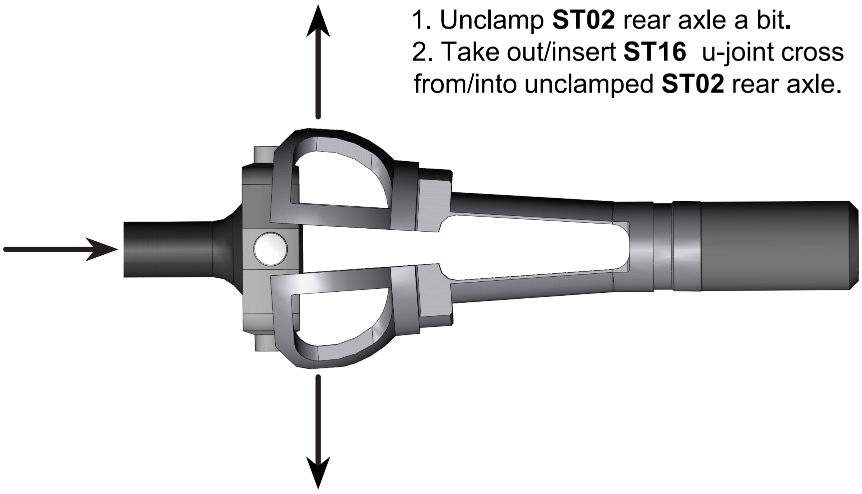
Apply Joint Grease to the rubbing surfaces.

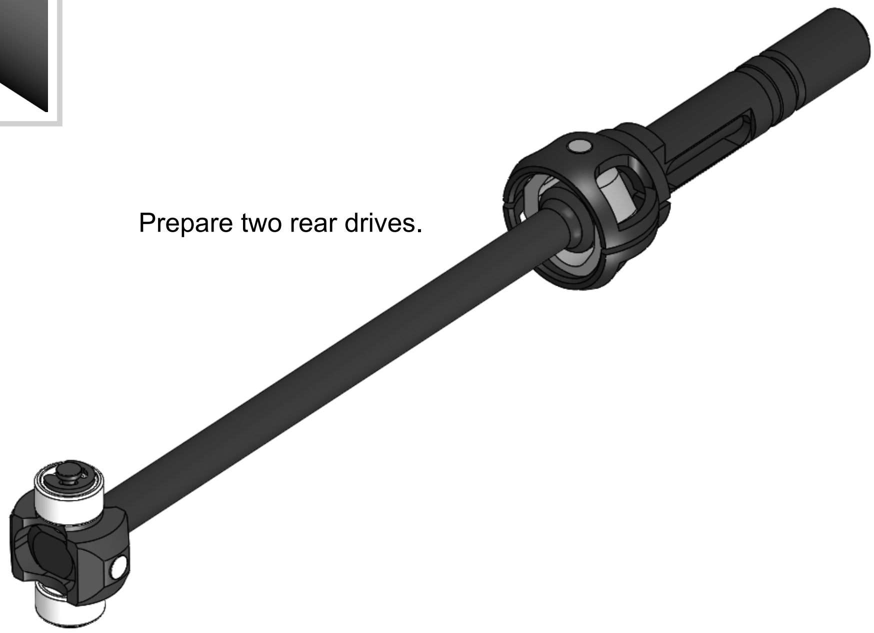
Tip:
Use a 2.5mm flat screwdriver to unclamp **ST02** rear axle.



Assembling/disassembling method

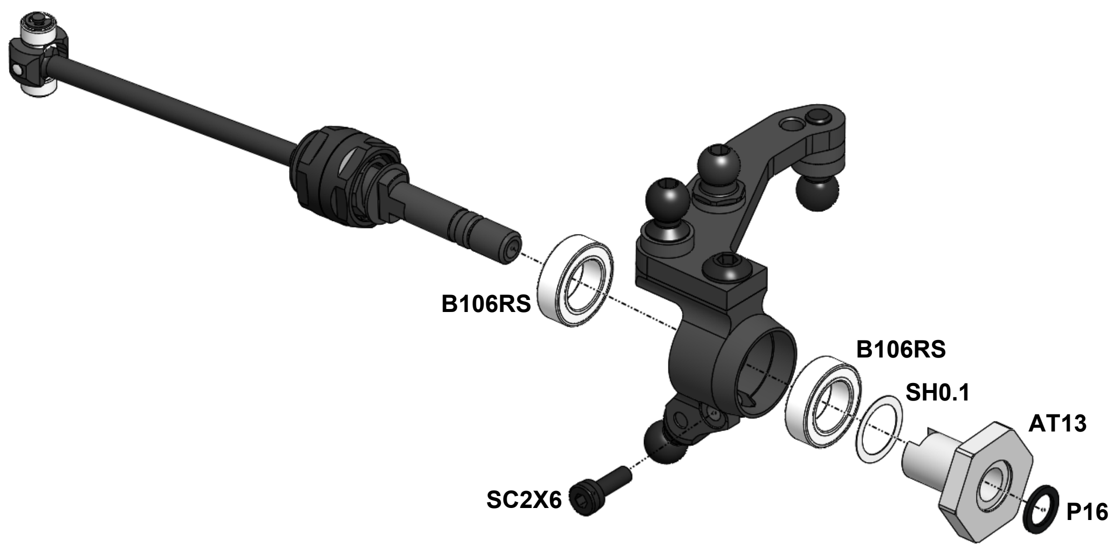
1. Unclamp **ST02** rear axle a bit.
2. Take out/insert **ST16** u-joint cross from/into unclamped **ST02** rear axle.



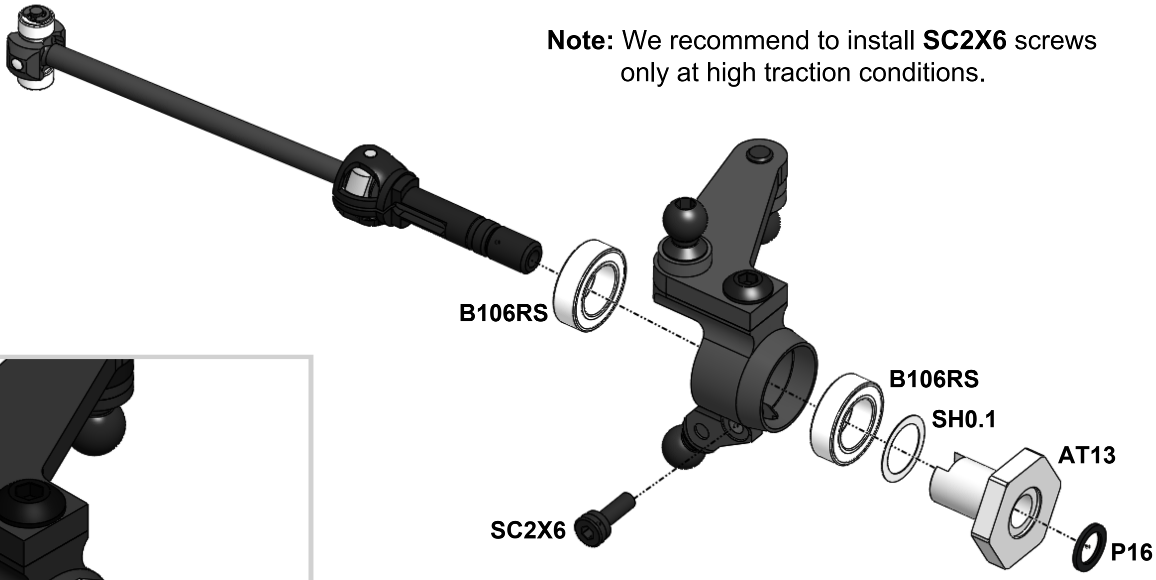


Prepare two rear drives.

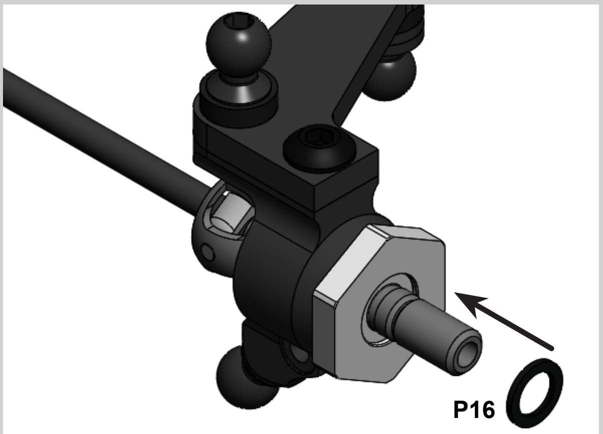
STEP 32


B106RS
B106RS
SH0.1
AT13
SC2X6
P16

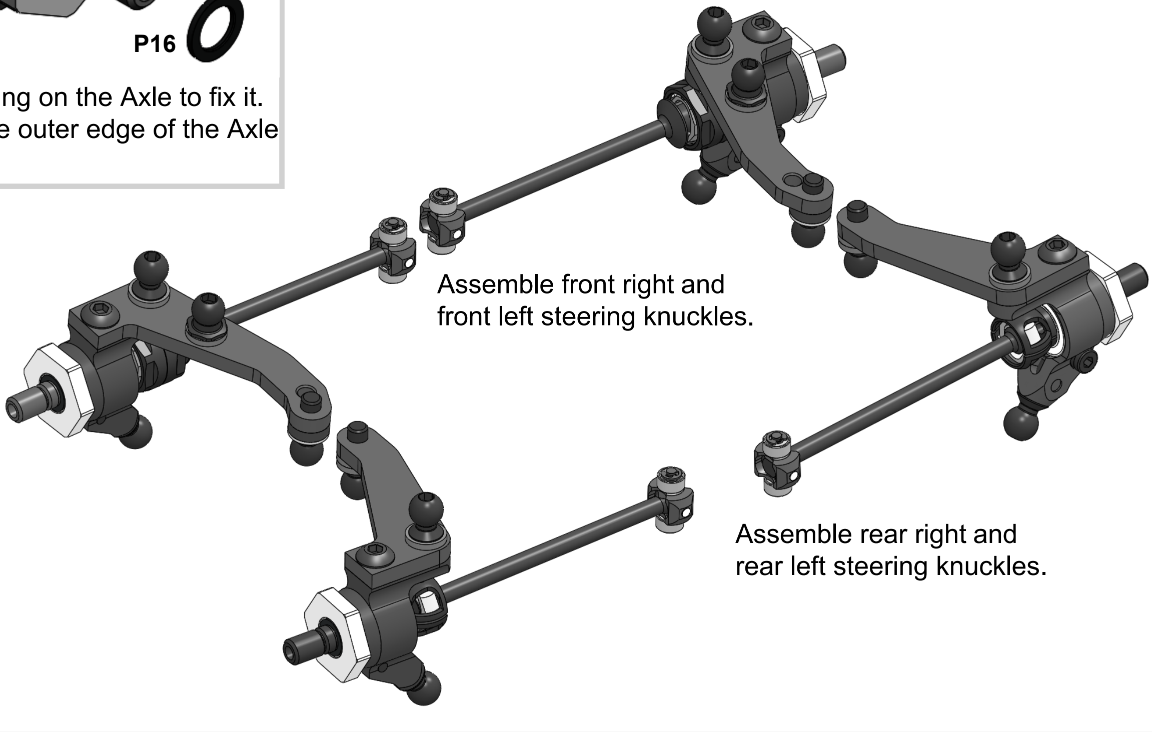
Note: We recommend to install **SC2X6** screws only at high traction conditions.


B106RS
B106RS
SH0.1
AT13
SC2X6
P16

Note: Rear universal joints may be a bit tight at this stage. But don’t worry as the rear universal joint take its true position after the wheels are mounted.



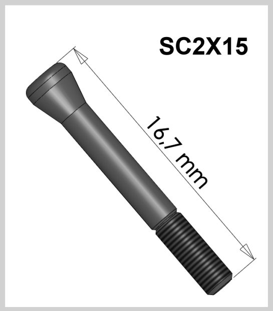
Note: Press **P16** Lock Ring on the Axle to fix it. For disassembly hit on the outer edge of the Axle or press down on it.

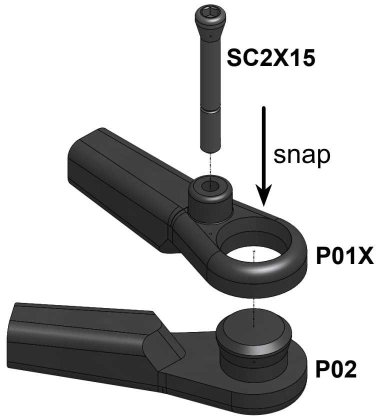


Assemble front right and front left steering knuckles.

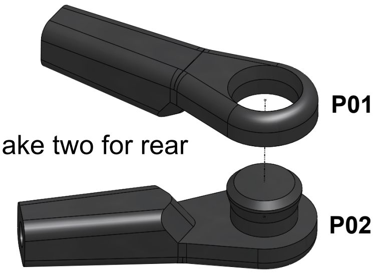
Assemble rear right and rear left steering knuckles.

STEP 33

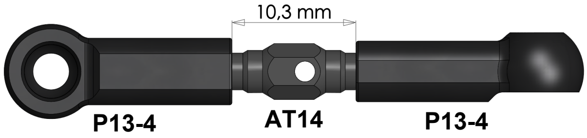

SC2X15
16,7 mm


SC2X15
snap
P01X
P02

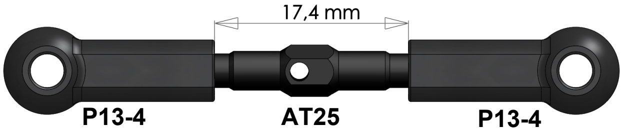
Make two for front



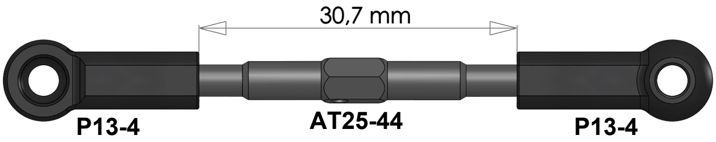
Make two for rear


10,3 mm
P13-4
AT14
P13-4

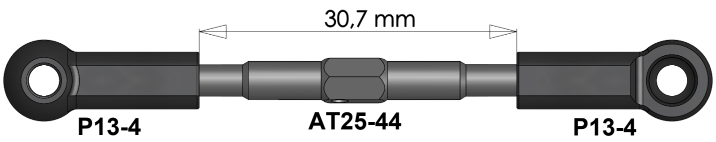
Servo rod


17,4 mm
P13-4
AT25
P13-4

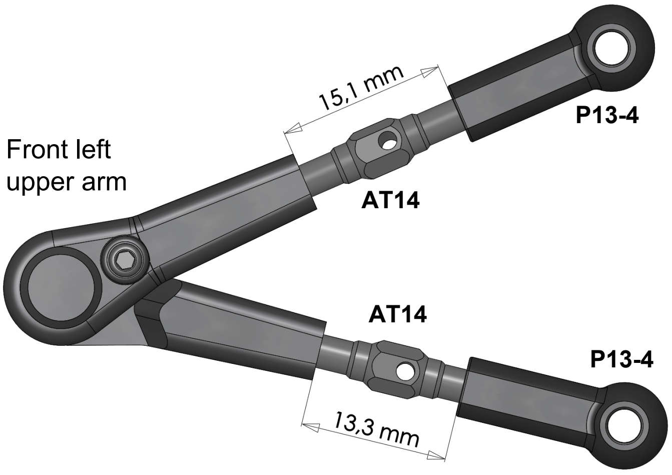
Make two rear rods


30,7 mm
P13-4
AT25-44
P13-4

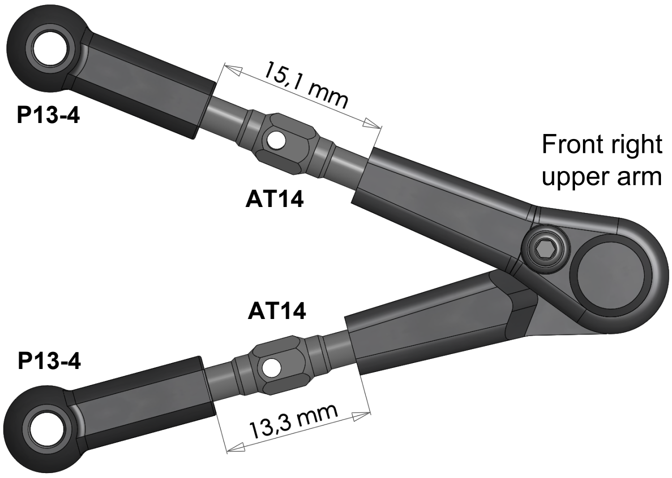
Front left rod


30,7 mm
P13-4
AT25-44
P13-4

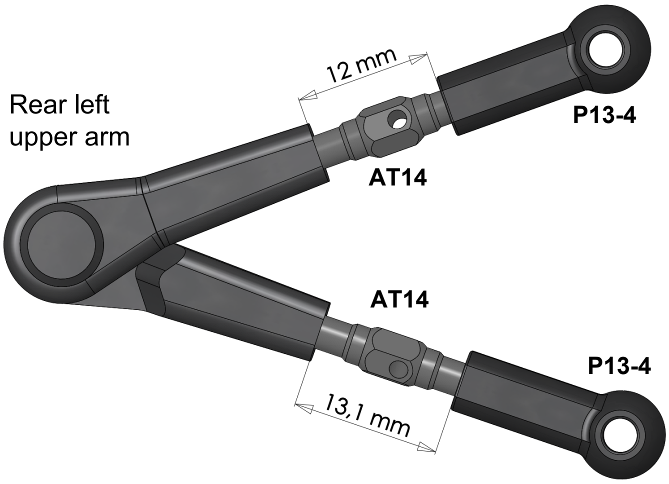
Front right rod


15,1 mm
P13-4
AT14
AT14
P13-4
13,3 mm

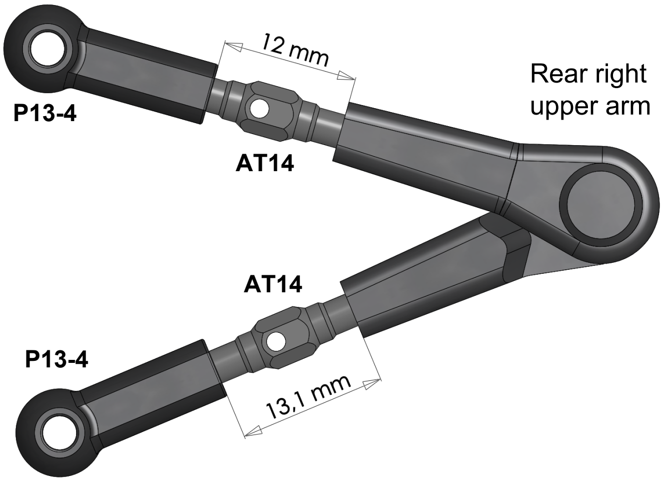
Front left upper arm


15,1 mm
P13-4
AT14
AT14
P13-4
13,3 mm

Front right upper arm


12 mm
P13-4
AT14
AT14
P13-4
13,1 mm

Rear left upper arm

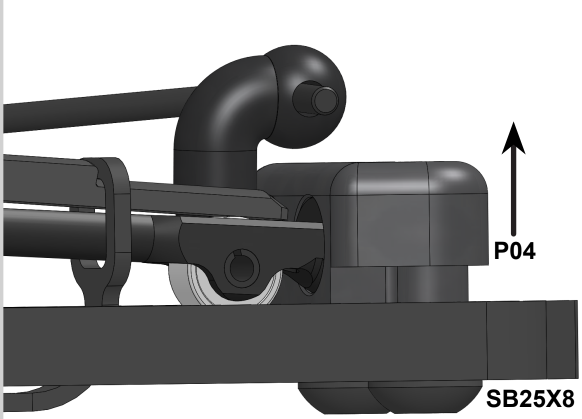

12 mm
P13-4
AT14
AT14
P13-4
13,1 mm

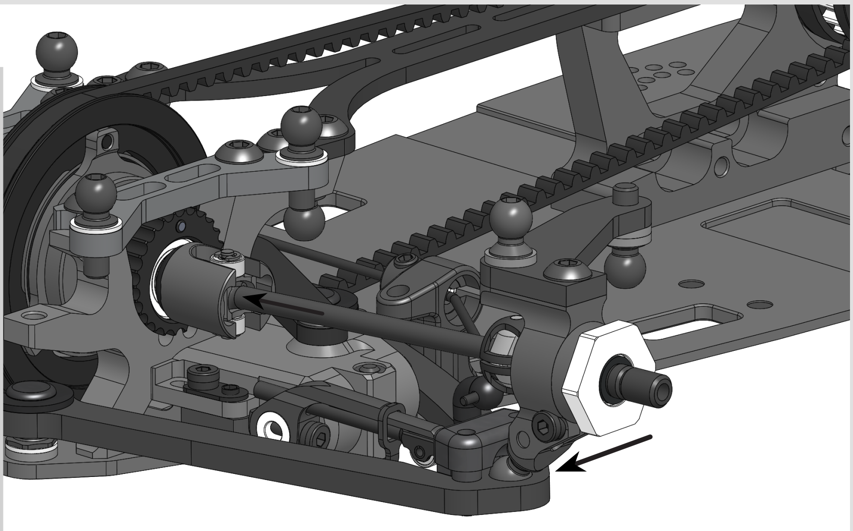
Rear right upper arm

Notes: The given rods and arms sizes are approximately for 5.5° front caster and -2° rear caster, 0.5° front camber and 1° rear camber, 2.5° rear toe-in and 1° front toe-out. Use a setup station or a angle gauge for precise suspension geometry setting. See our recommendations on page #28 for quick and easy suspension geometry change.

STEP 34

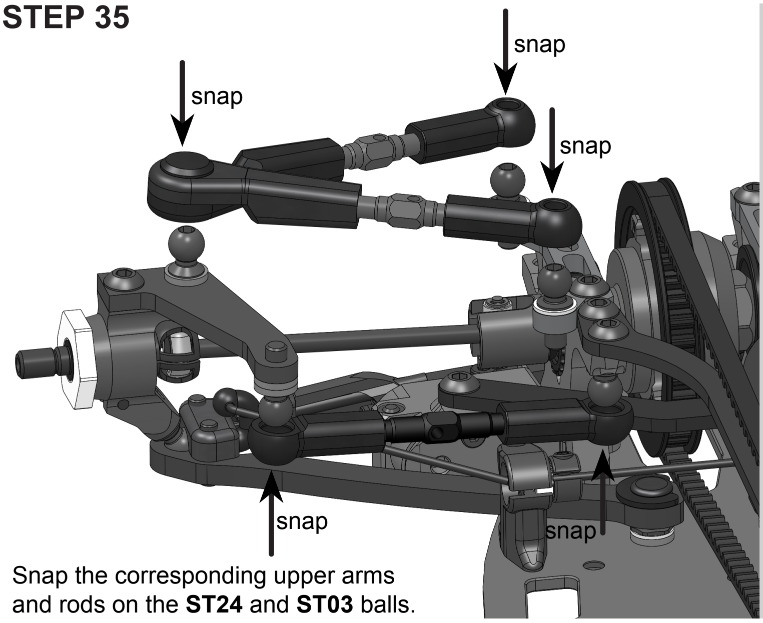
Unscrew **SB25X8** screws on ~3 turns and shift **P04** up to create ~1.5mm gap between **P04** and the lower arm.





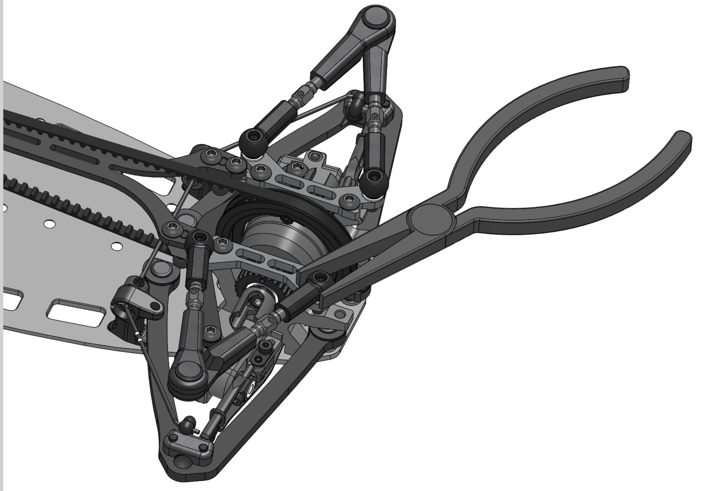
Insert **P03** ball into the spherical cavity of the lower arm and tighten **SB25X8** screws. Insert the driveshaft inner joint into the outdrive of diff/spool.
Note: Don't overtighten **SB25X8** screws to avoid **ST03 ball** binding!!! Achieve a free action of the ball joint with a minimal backlash.

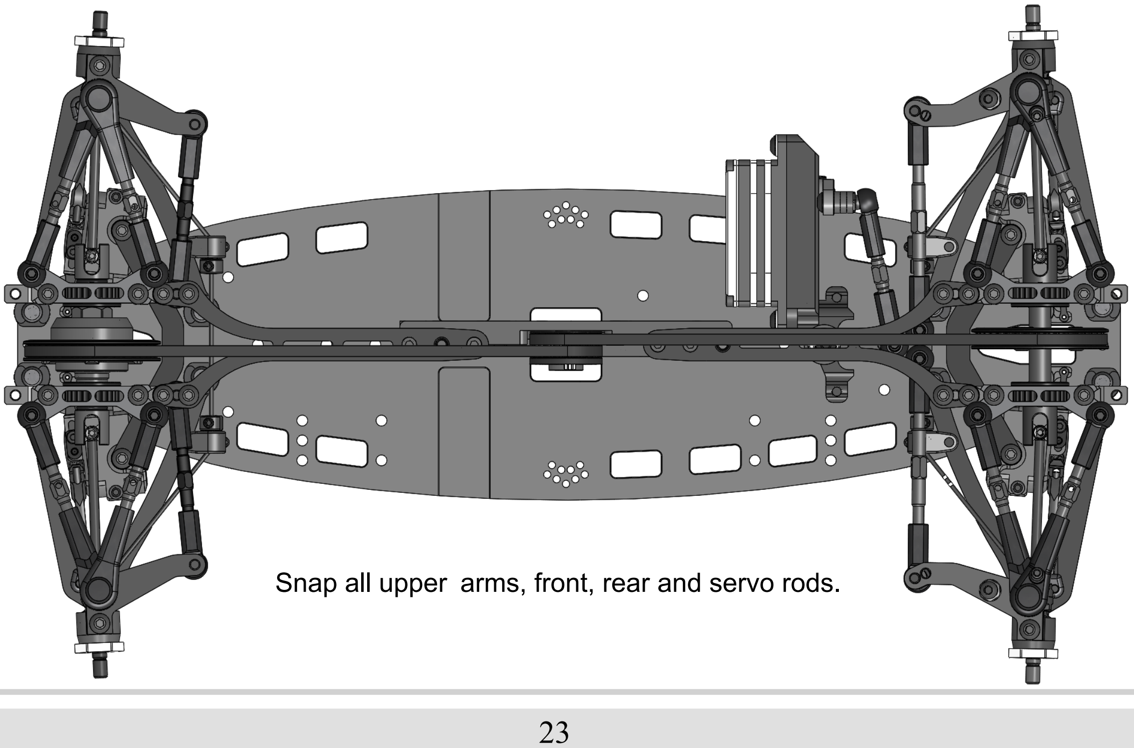
STEP 35



Snap the corresponding upper arms and rods on the **ST24** and **ST03** balls.

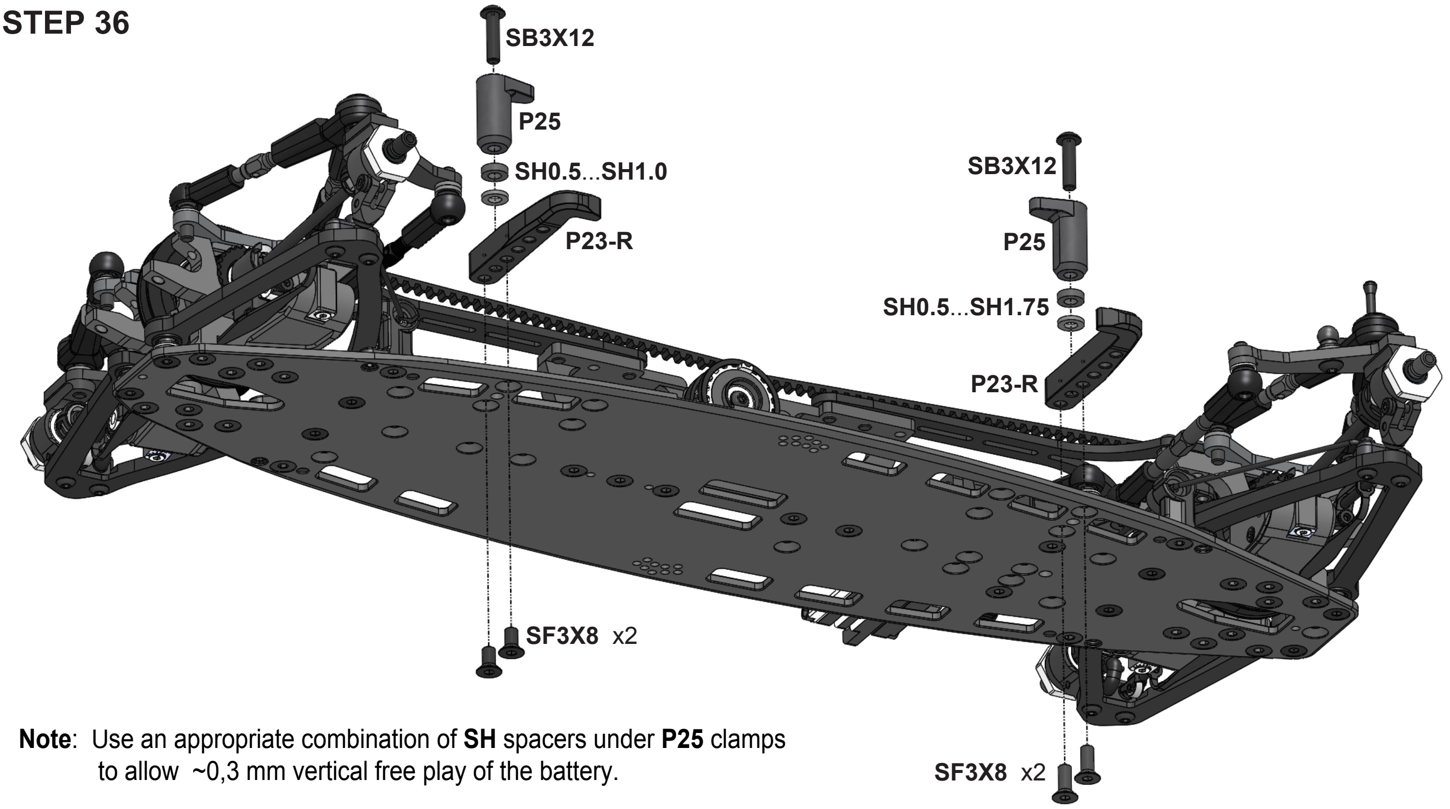
Note: Achieve a free action of all ball joints.
Crimp **P13-4** plastic ball ends with a flat lips pliers in case of **P13-4** can't swing free without tension on **ST24** balls.





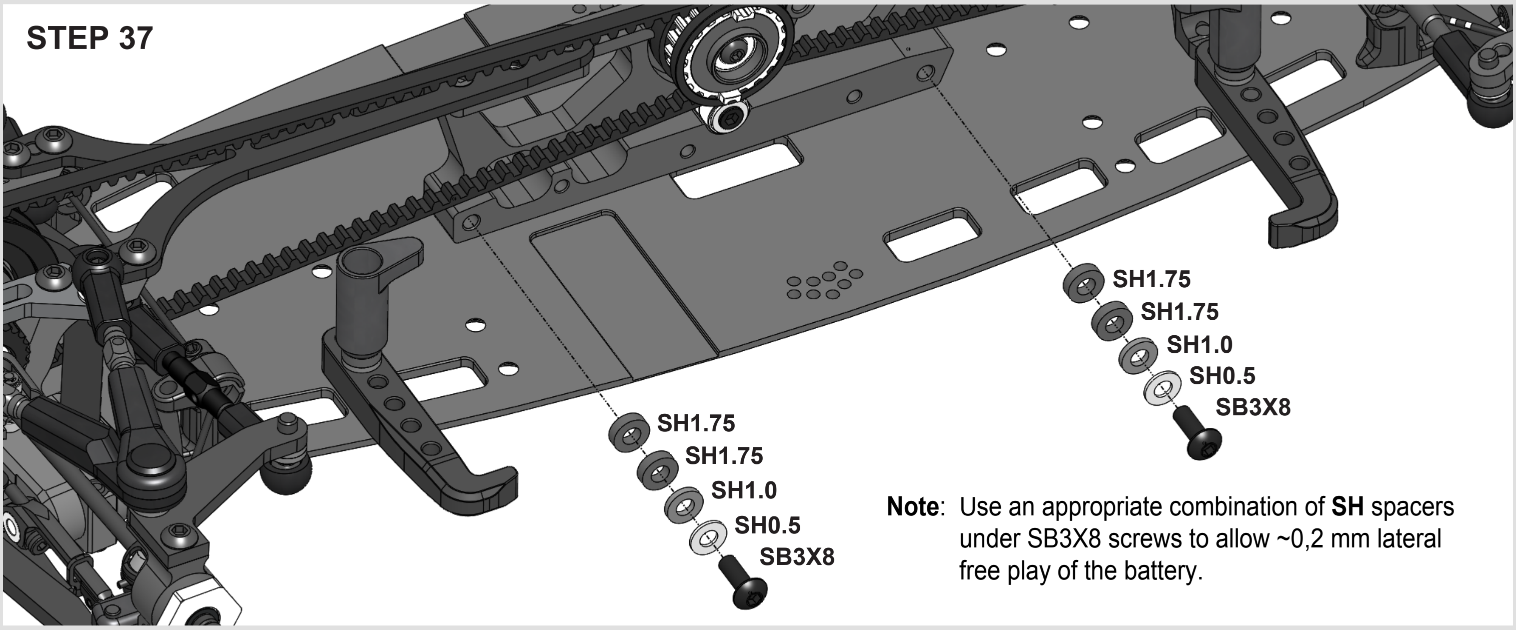
Snap all upper arms, front, rear and servo rods.

STEP 36


SB3X12
P25
SH0.5...SH1.0
P23-R
SB3X12
P25
SH0.5...SH1.75
P23-R
SF3X8 x2
SF3X8 x2

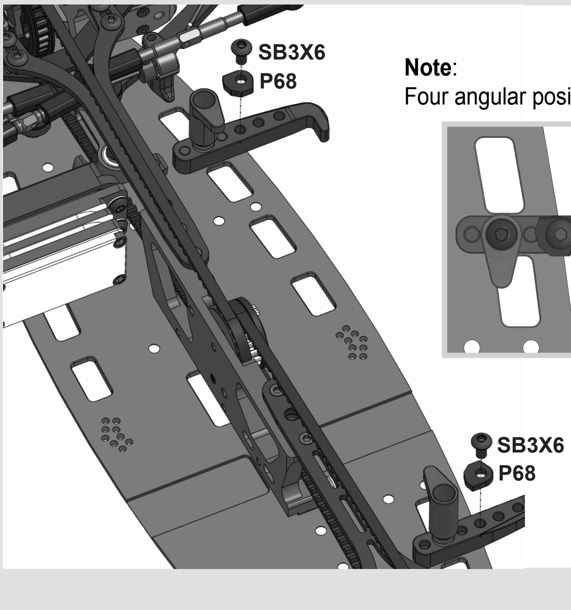
Note: Use an appropriate combination of **SH** spacers under **P25** clamps to allow ~0,3 mm vertical free play of the battery.

STEP 37

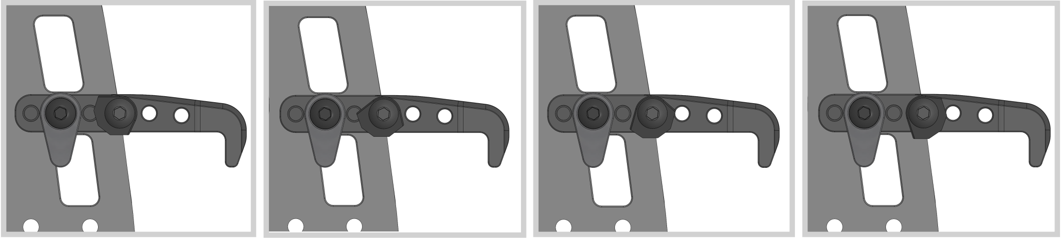

SH1.75
SH1.75
SH1.0
SH0.5
SB3X8
SH1.75
SH1.75
SH1.0
SH0.5
SB3X8

Note: Use an appropriate combination of **SH** spacers under SB3X8 screws to allow ~0,2 mm lateral free play of the battery.

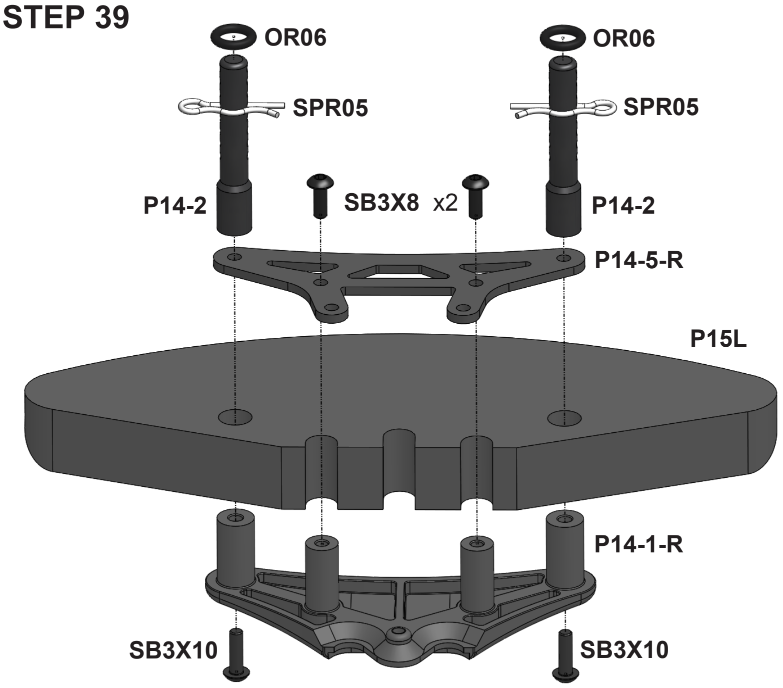
STEP 38

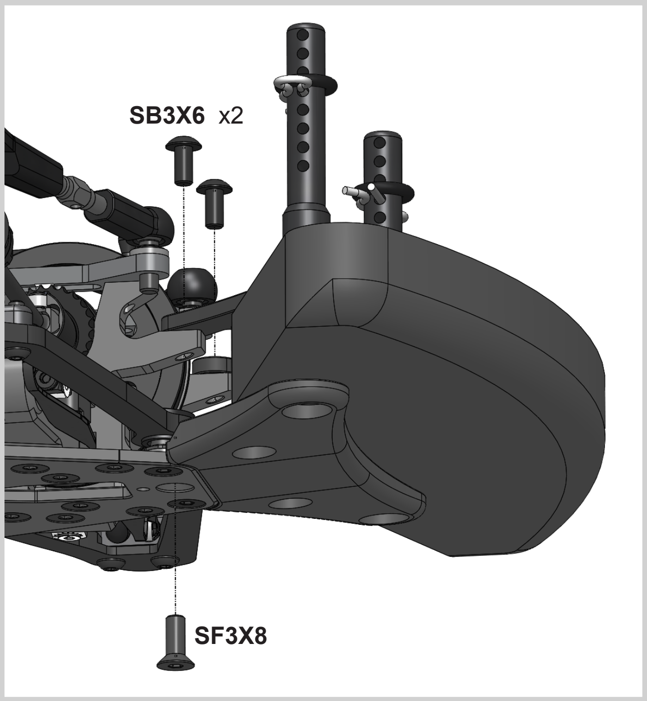

SB3X6
P68
SB3X6
P68

Note:
Four angular positions of **P68** adjuster provide 0,25..1,0 mm range for adjusting the longitudinal free play of battery.

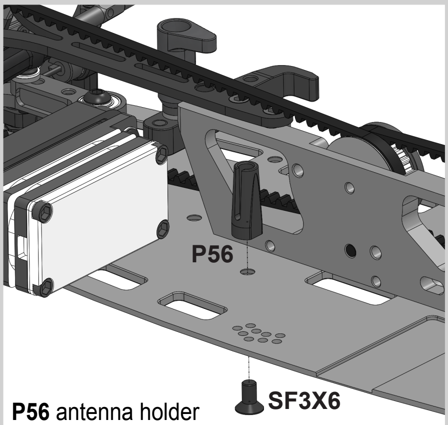


STEP 39

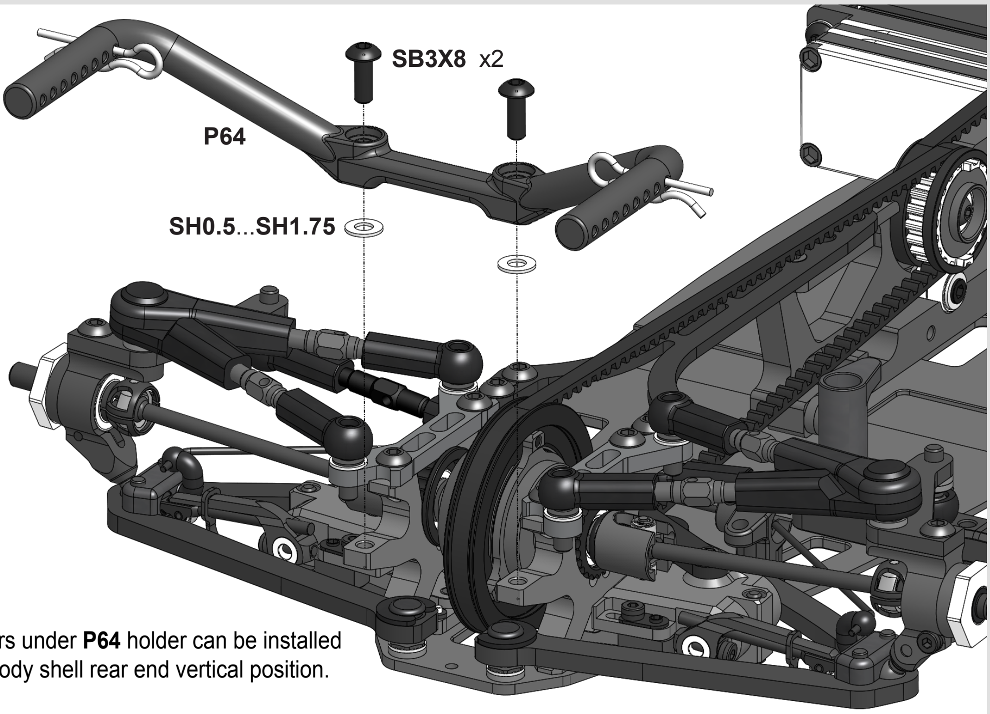

OR06
OR06
SPR05
SPR05
P14-2
SB3X8 x2
P14-2
P14-5-R
P15L
P14-1-R
SB3X10
SB3X10


SB3X6 x2
SF3X8

STEP 40

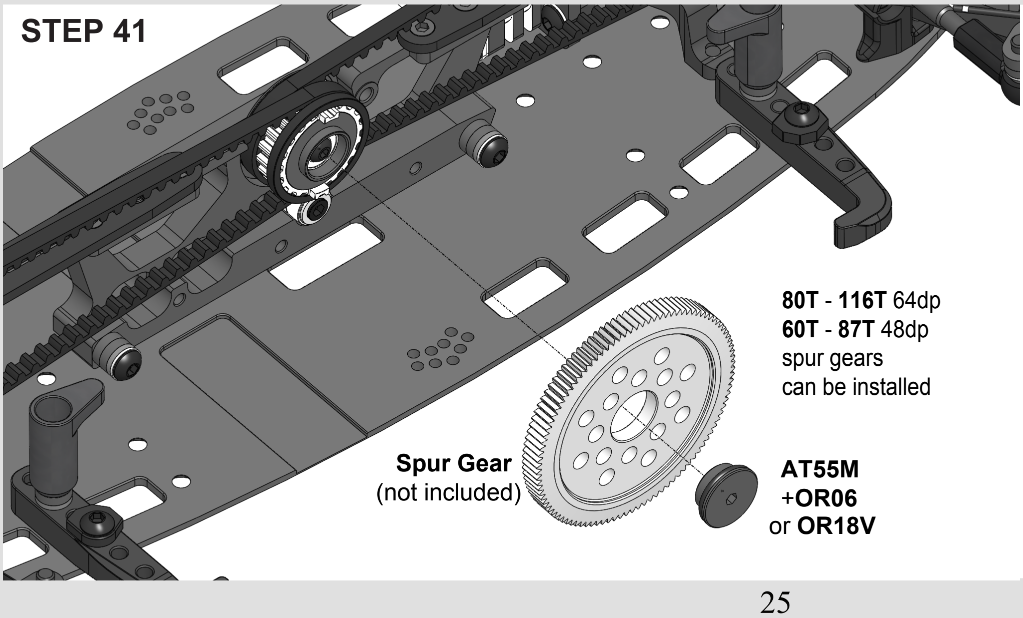


P56 antenna holder
can be installed if needed.

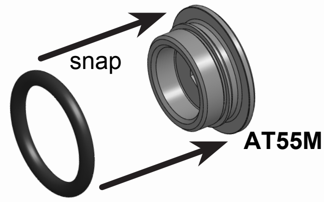

SB3X8 x2
P64
SH0.5...SH1.75

Note: **SH0.5**...**SH1.75** spacers under **P64** holder can be installed for adjustment of the body shell rear end vertical position.

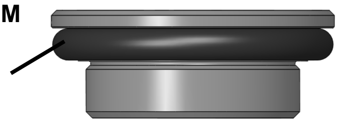
STEP 41


Spur Gear
(not included)
AT55M
+OR06
or OR18V

80T - **116T** 64dp
60T - **87T** 48dp
spur gears
can be installed



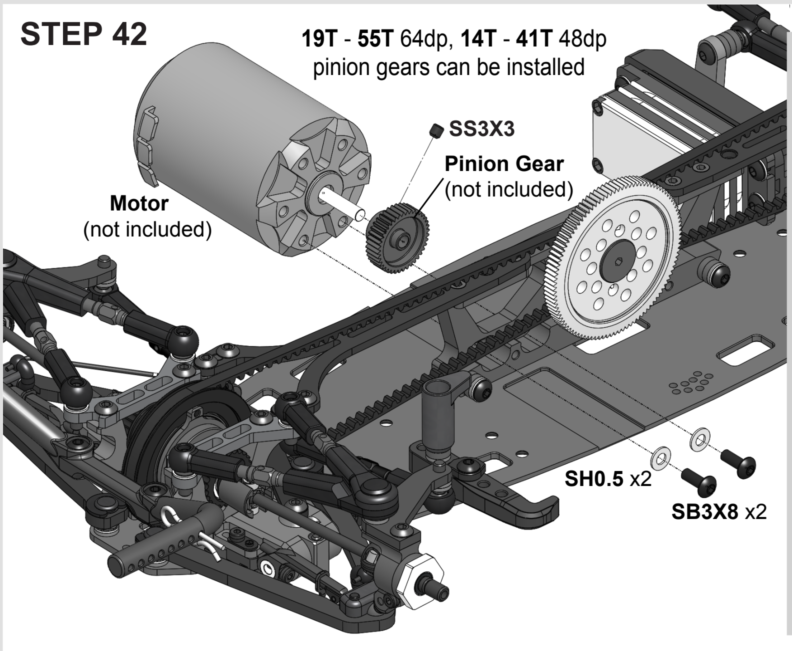
OR06
or
OR18V depending on the spur gear thickness



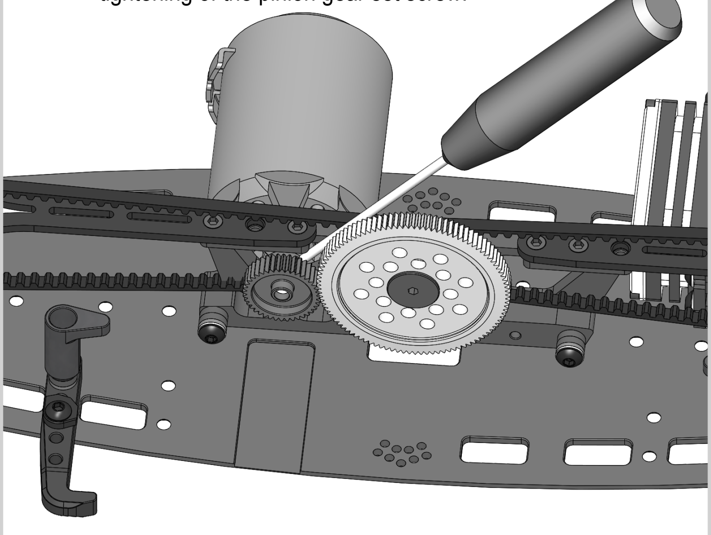
OR06
or
OR18V depending on the spur gear thickness

STEP 42

19T - **55T** 64dp, **14T** - **41T** 48dp pinion gears can be installed

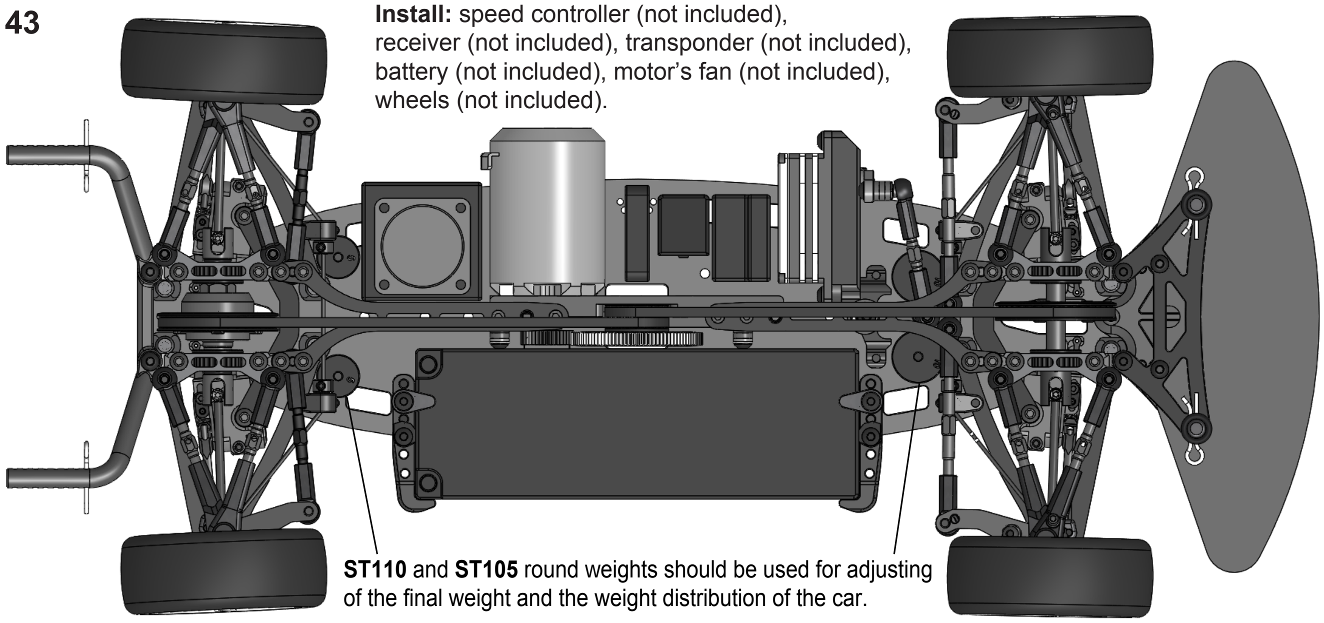

SS3X3
Pinion Gear
(not included)
Motor
(not included)
SH0.5 x2
SB3X8 x2

Note: This orientation of the hex driver should be used for tightening of the pinion gear set screw.

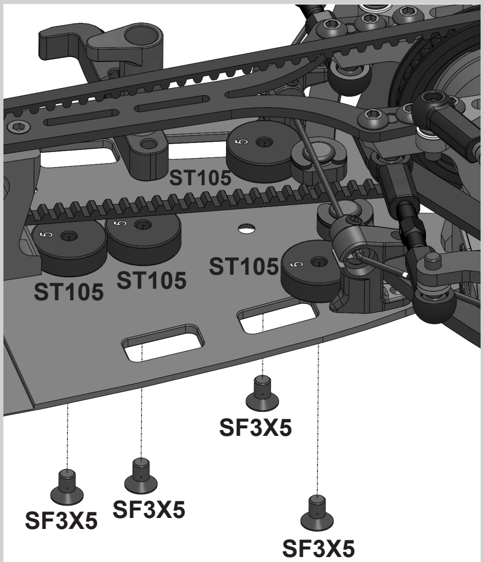


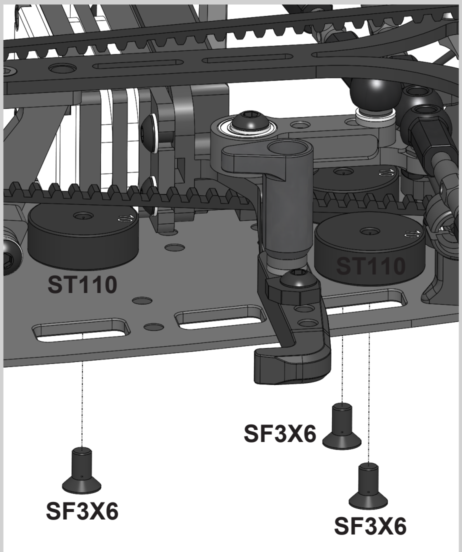
STEP 43

Install: speed controller (not included), receiver (not included), transponder (not included), battery (not included), motor's fan (not included), wheels (not included).

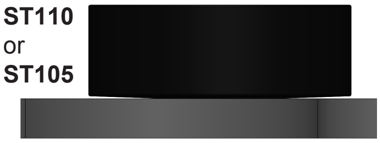


ST110 and **ST105** round weights should be used for adjusting of the final weight and the weight distribution of the car.

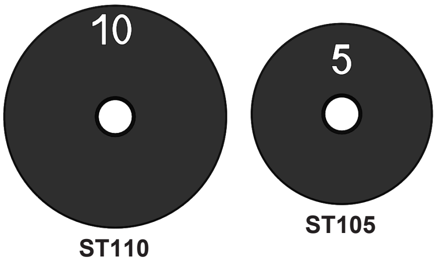

ST105
ST105
ST105
ST105
SF3X5
SF3X5
SF3X5
SF3X5


ST110
ST110
SF3X6
SF3X6
SF3X6

Install **ST110** and **ST105** beveled side down to reduce the effect on car flex.

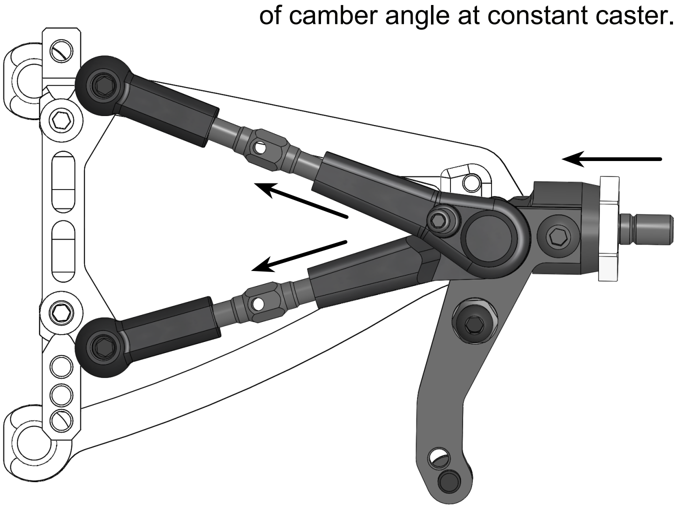

ST110
or
ST105

The engraved sides of **ST110** and **ST105** are flat. The opposite sides are beveled.

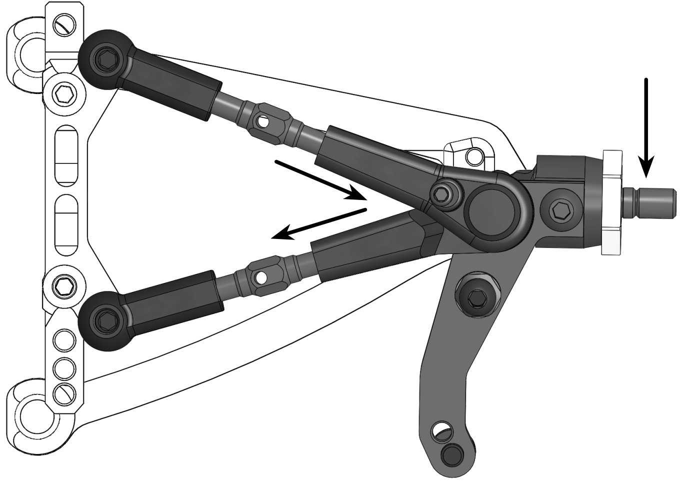

10
5
ST110
ST105

SUSPENSION SETTING TECHNIQUE

Camber adjustment rule: Simultaneous both upper rods 0.5mm shortening (1/2 turn of both turnbuckles) adds 1.0° of camber angle at constant caster.

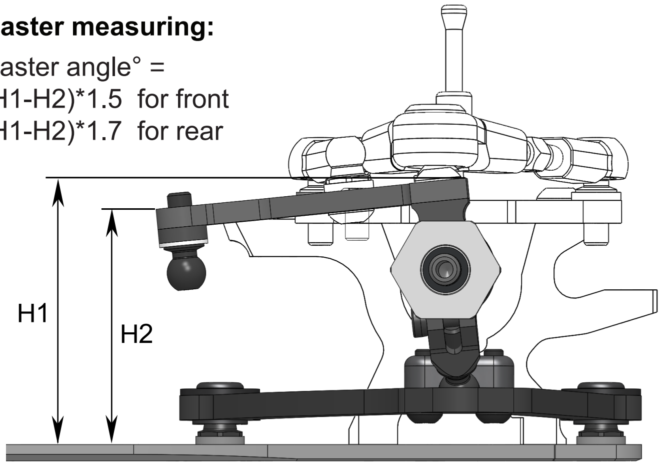


Caster adjustment rule: Simultaneous front upper rod 0.5mm elongation and rear upper rod 0.5mm shortening adds 2.5° of caster at constant camber.



Caster measuring:

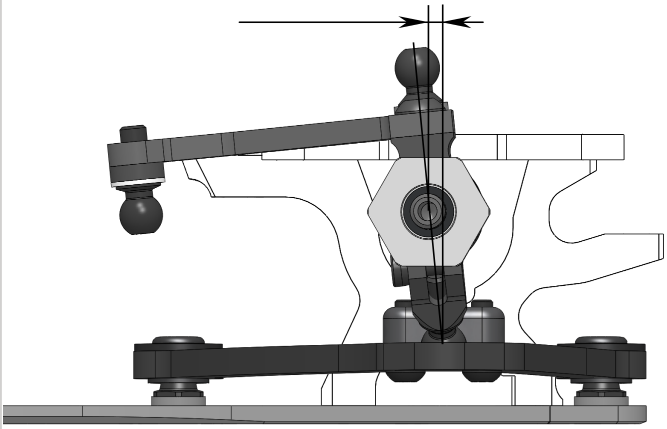
Caster angle° =
(H1-H2)*1.5 for front
(H1-H2)*1.7 for rear



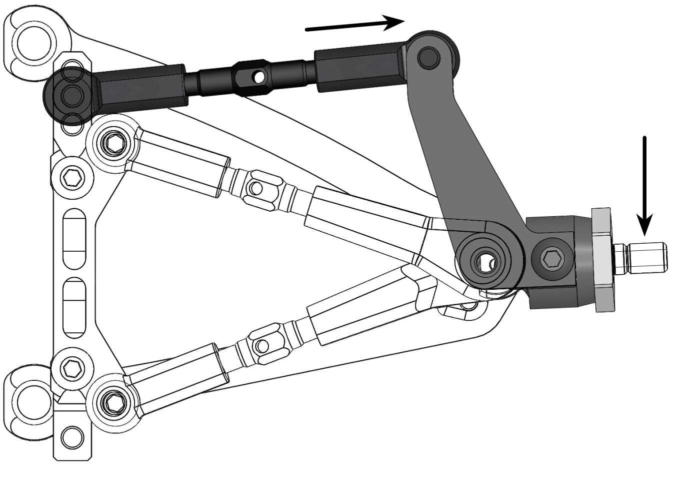
TIP / Recommendation to use

MAX-02-001 - MXLR Awesomatix Caster Tool

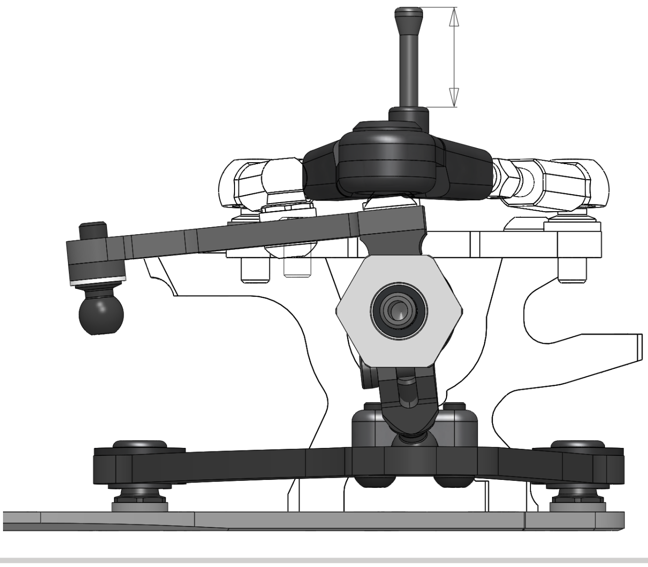
Wheelbase adjustment:
Use rear suspension caster change for this adjustment.
Adding 4°caster shortens wheelbase by 1mm.



Rear suspension toe-in adjustment:
Rear rod 0.5mm elongation reduces the toe-in on 1.0°

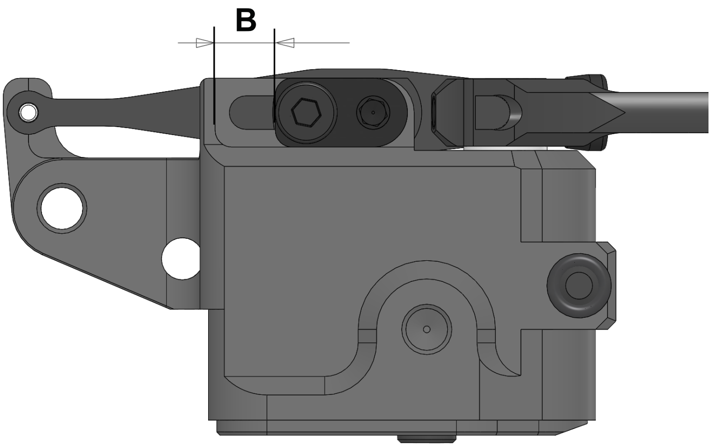


Body shell front end downtravel adjustment:
Use **SC2X15** screw for adjustment the lowest position of the body shell front splitter.



D3 dampers and suspension springs setting technique

Attention! A800R shocks allow to adjust the damping and spring rates without replacement of the shock's fluid and spring.



1. Damping and Shock Spring rate setting

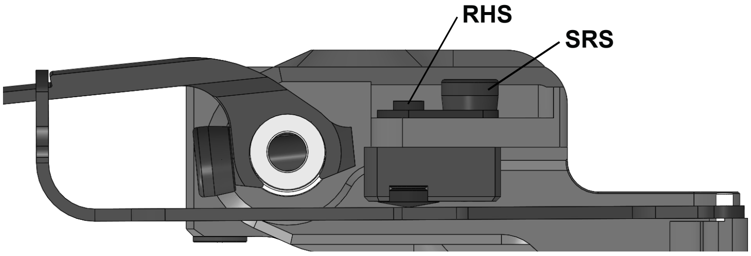
Increase **B** distance (slide **AT119** holder outward) to increase the spring rate.Reduce **B** distance (slide **AT119** holder inward) to reduce the spring rate.Use **SRS** (Spring Rating Screw) to unlock **AT119** holder and to lock it at the desirable position.

2. Shock Spring preload setting

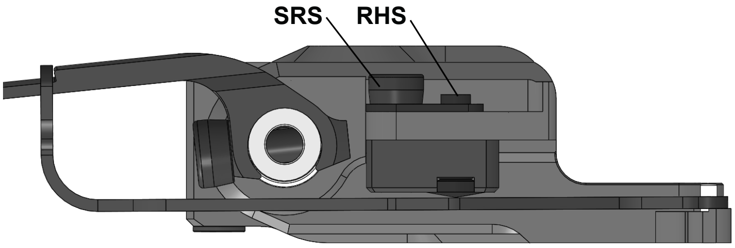
Spring preload and the ride height of the car is adjusting via **RHS** (Ride Height Screw). In A800R kit **ST69-00** screw is used as **RHS** screw. Turn IN (CW) **RHS** screw to increase spring preload. Turn OUT (CCW) **RHS** screw to decrease spring preload. Use spring preload setting to adjust ride height value.

3. SRS/RHS Screws arrangements

The reverse arrangement of these screws is possible also.



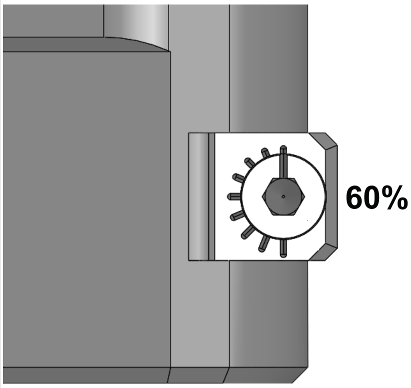
SRS/RHS screws arrangement I

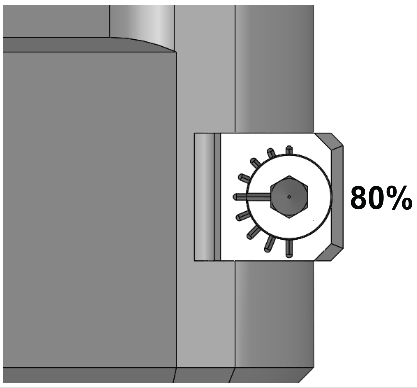


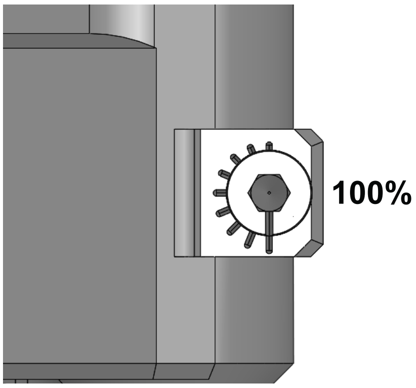
SRS/RHS Screws arrangement II

4. Damping level setting

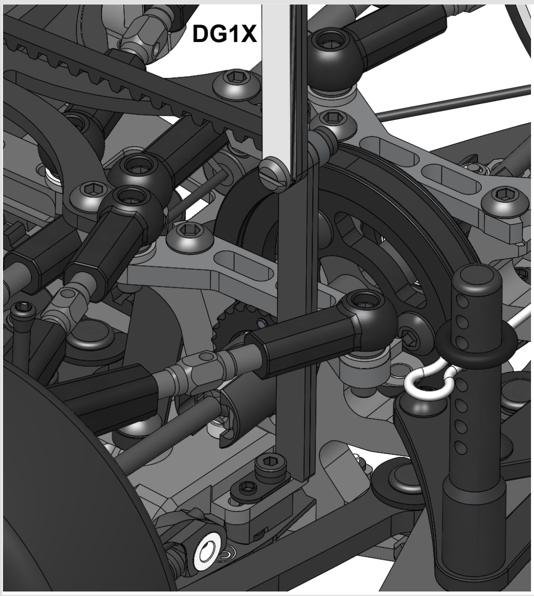
ST143 valve angular position indicates the damping level from 60% to 100% at 5% increment.

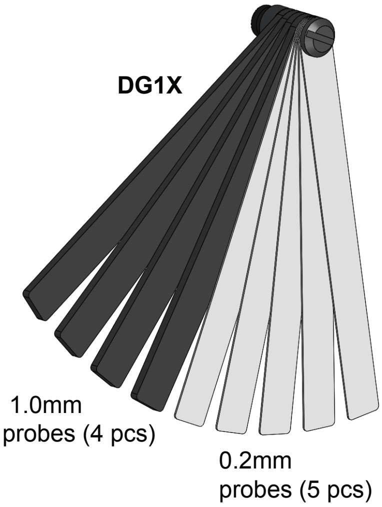


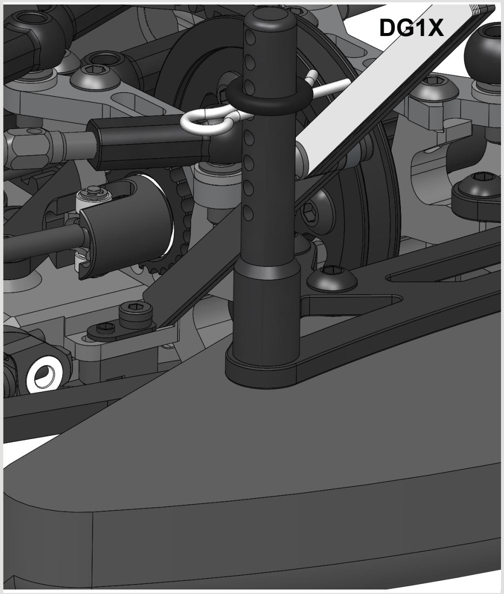




5. DG1X gauge using

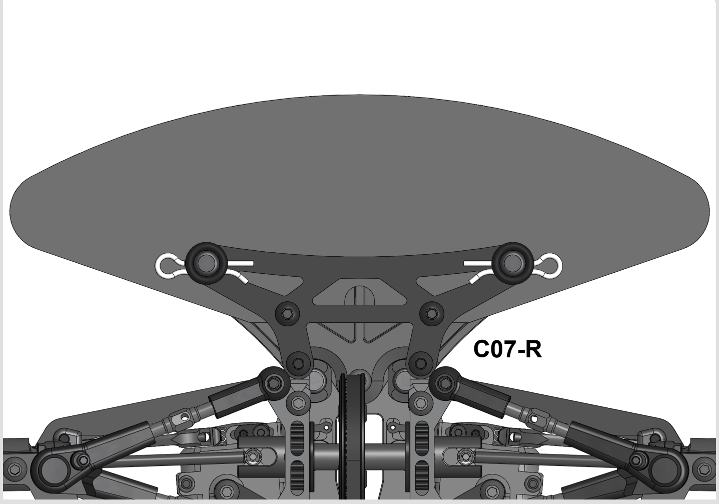


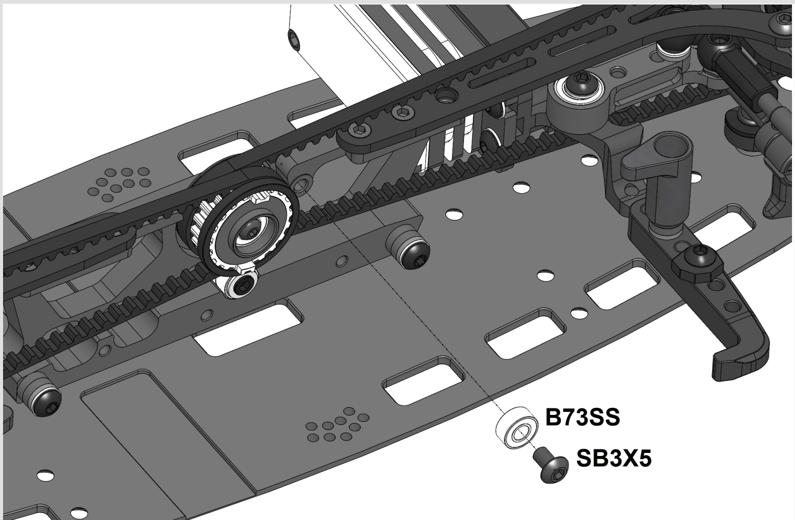




Optional parts and sets

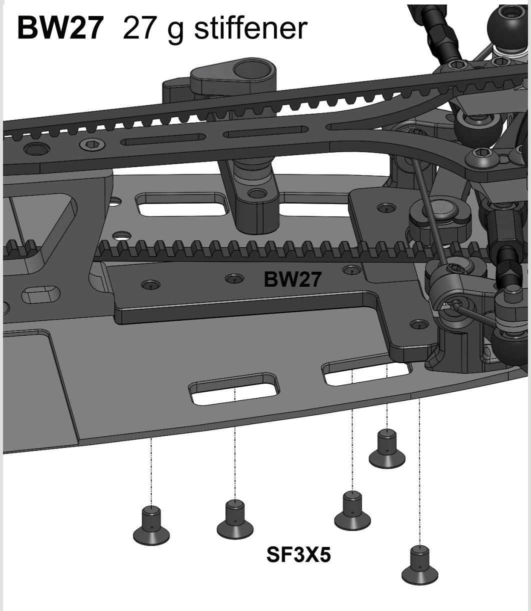
C07-R carbon bumper plate

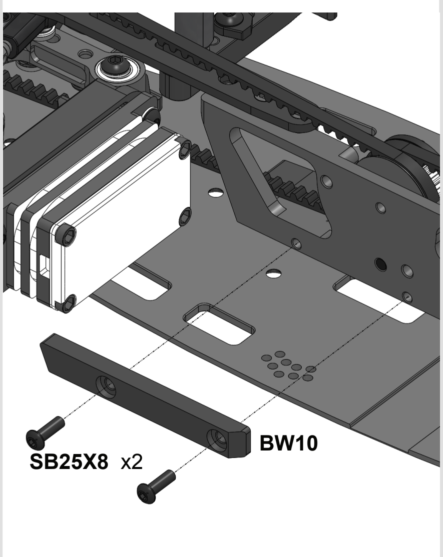



B73SS
SB3X5

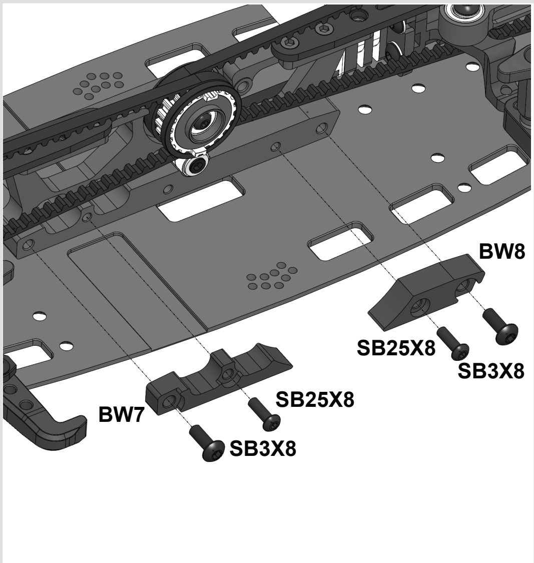
Front belt anti-skipping ball bearing

BW27 27 g stiffener



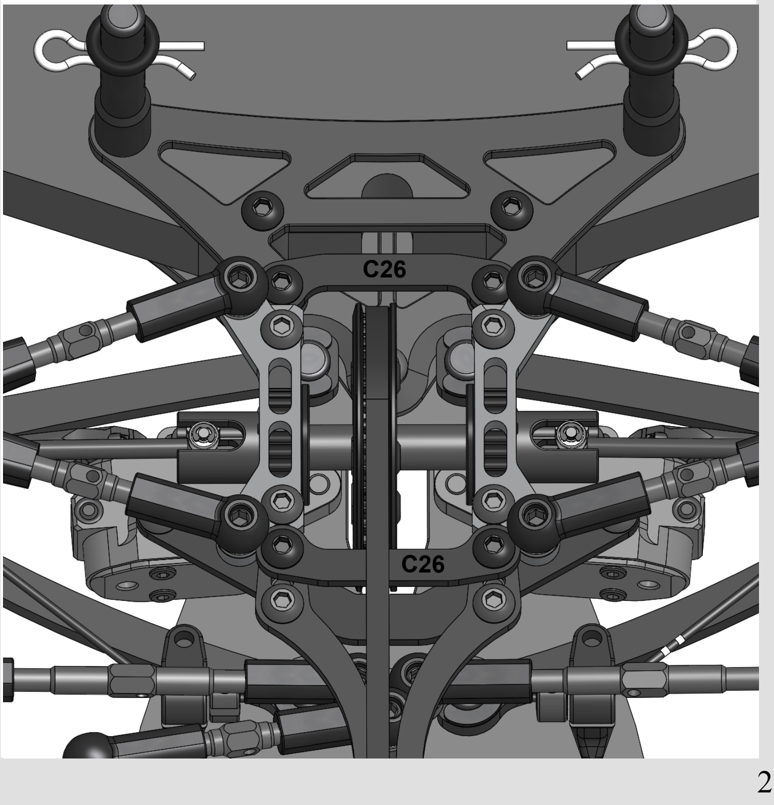

SB25X8 x2
BW10

BW10 10 g weight

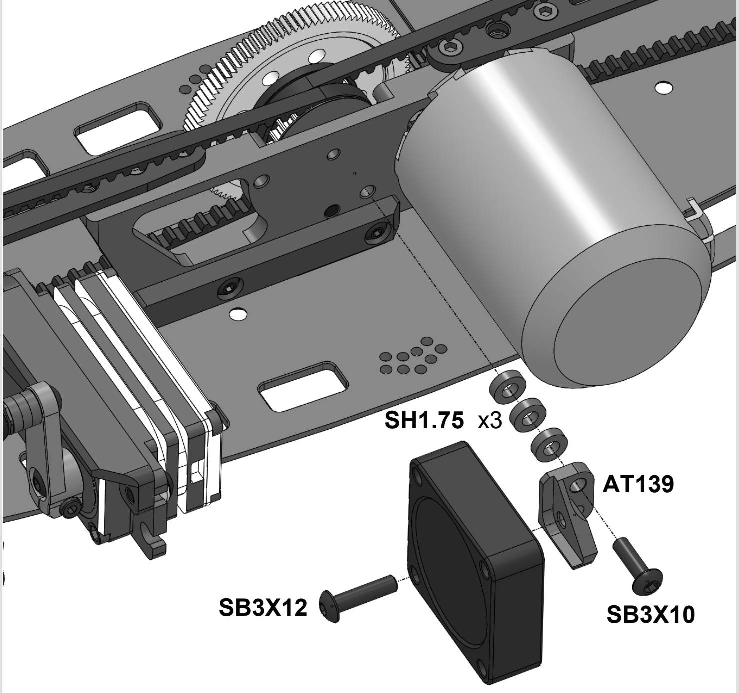

BW8
SB25X8
SB3X8
BW7
SB25X8
SB3X8

BW7 7 g , **BW8** 8 g weights

C26 top stiffener



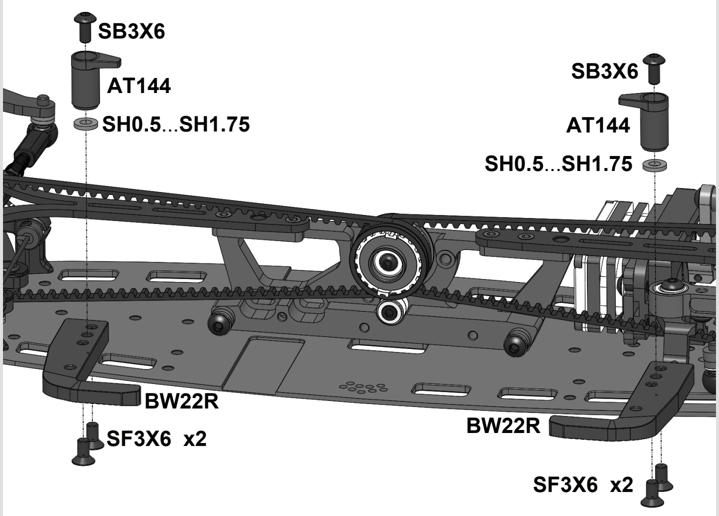
AT139 fan holder


SH1.75 x3
AT139
SB3X12
SB3X10

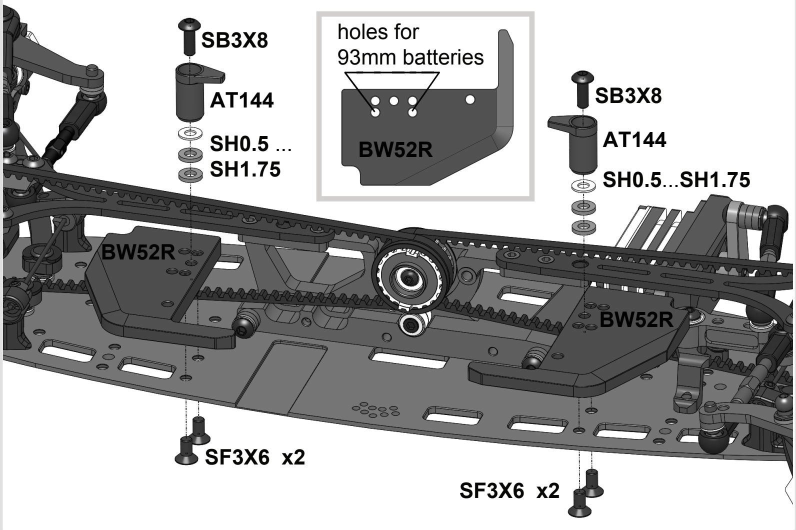
Fan (not included)

Optional parts and sets

BW22R and **AT144**

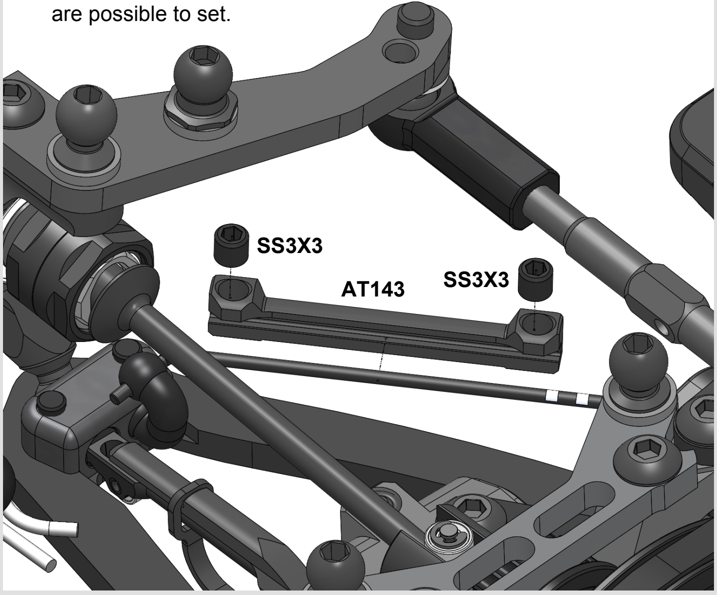

SB3X6
AT144
SH0.5...SH1.75
SB3X6
AT144
SH0.5...SH1.75
BW22R
SF3X6 x2
BW22R
SF3X6 x2

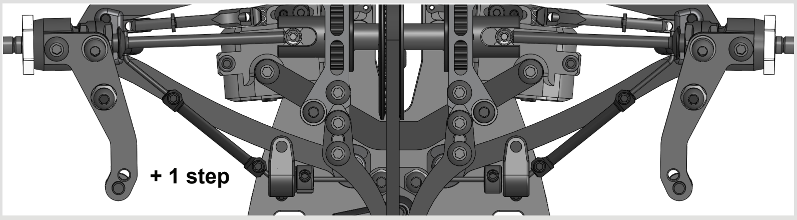
BW52R and **AT144**

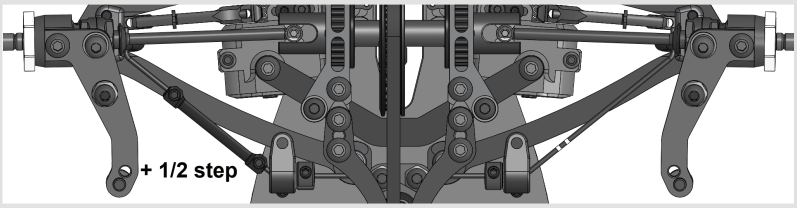

SB3X8
AT144
SH0.5 ...
SH1.75
holes for
93mm batteries
BW52R
SB3X8
AT144
SH0.5...SH1.75
BW52R
BW52R
SF3X6 x2
SF3X6 x2

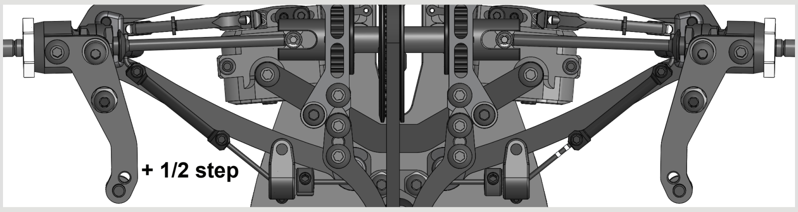
AT143 anti-roll bar stiffener

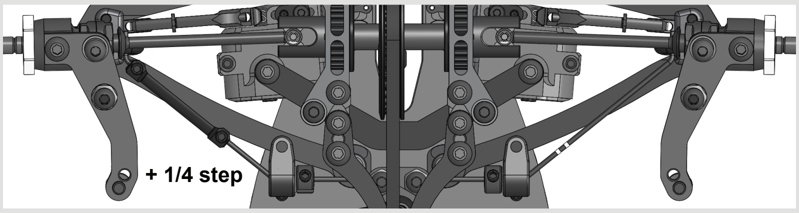
AT143 stiffener increases stiffness of the anti-roll bar up to one step.
+1 step stiffness increasings means that
1.0 mm bar acts like 1.1 mm bar
1.1 mm bar acts like 1.2 mm bar
1.2 mm bar acts like 1.3 mm bar
1.3 mm bar acts like 1.4 mm bar.
1/2 and **1/4 steps** of increasing are possible to set.


SS3X3
AT143
SS3X3

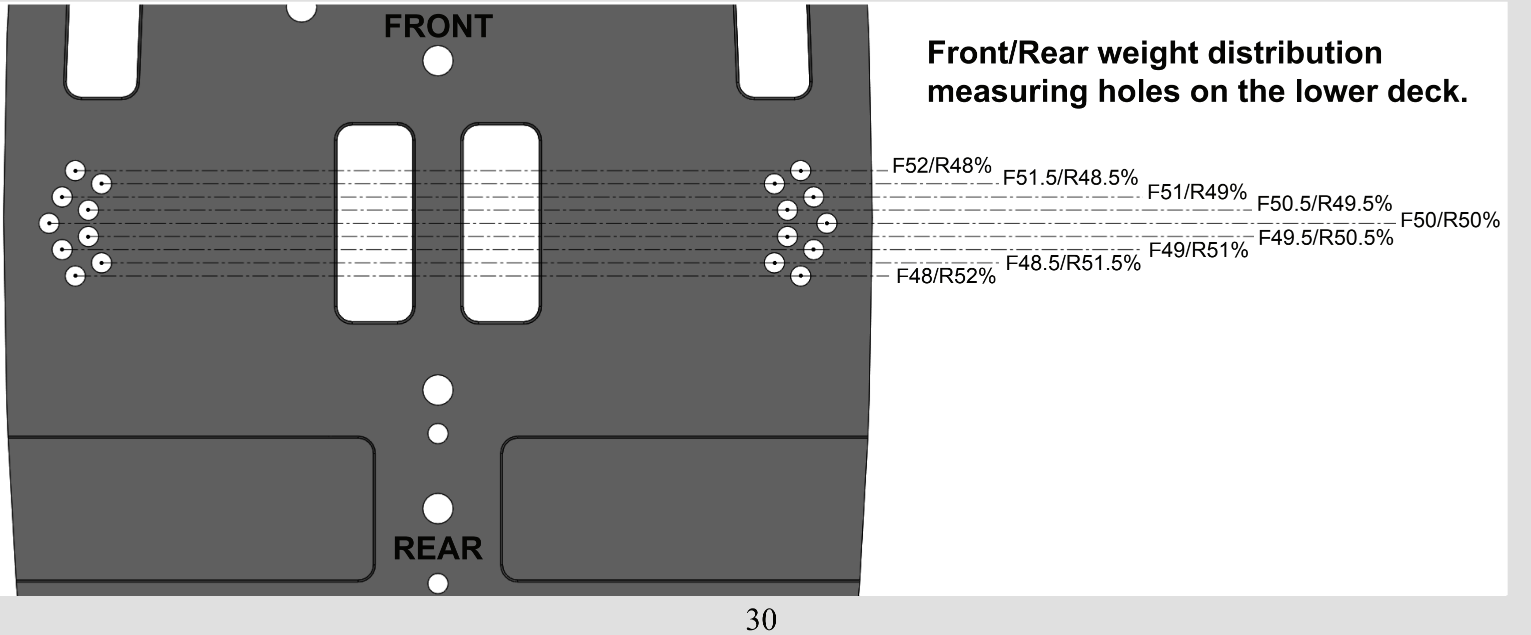








Front/Rear weight distribution measuring holes on the lower deck.


FRONT
F52/R48%
F51.5/R48.5%
F51/R49%
F50.5/R49.5%
F50/R50%
F49.5/R50.5%
F49/R51%
F48.5/R51.5%
F48/R52%
REAR

FINAL DRIVE RATIO CHART

DRIVE TRAIN RATIO IS 1,9

64dp SPUR GEAR SIZE

64dp PINION GEAR SIZE

1,9	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116
19																																					11,60
20																																				10,93	11,02
21																																			10,31	10,40	10,50
22																																		9,76	9,85	9,93	10,02
23																																	9,25	9,33	9,42	9,50	9,58
24																																8,79	8,87	8,95	9,03	9,10	9,18
25																															8,36	8,44	8,51	8,59	8,66	8,74	8,82
26																														7,97	8,04	8,11	8,18	8,26	8,33	8,40	8,48
27																													7,60	7,67	7,74	7,81	7,88	7,95	8,02	8,09	8,16
28																												7,26	7,33	7,40	7,46	7,53	7,60	7,67	7,74	7,80	7,87
29																											6,94	7,01	7,08	7,14	7,21	7,27	7,34	7,40	7,47	7,53	7,60
30																										6,65	6,71	6,78	6,84	6,90	6,97	7,03	7,09	7,16	7,22	7,28	7,35
31																									6,37	6,44	6,50	6,56	6,62	6,68	6,74	6,80	6,86	6,93	6,99	7,05	7,11
32																								6,12	6,18	6,23	6,29	6,35	6,41	6,47	6,53	6,59	6,65	6,71	6,77	6,83	6,89
33																							5,87	5,93	5,99	6,05	6,10	6,16	6,22	6,28	6,33	6,39	6,45	6,51	6,56	6,62	6,68
34																						5,64	5,70	5,76	5,81	5,87	5,92	5,98	6,04	6,09	6,15	6,20	6,26	6,31	6,37	6,43	6,48
35																					5,43	5,48	5,54	5,59	5,65	5,70	5,75	5,81	5,86	5,92	5,97	6,03	6,08	6,13	6,19	6,24	6,30
36																				5,23	5,28	5,33	5,38	5,44	5,49	5,54	5,59	5,65	5,70	5,75	5,81	5,86	5,91	5,96	6,02	6,07	6,12
37																			5,03	5,08	5,14	5,19	5,24	5,29	5,34	5,39	5,44	5,49	5,55	5,60	5,65	5,70	5,75	5,80	5,85	5,91	
38																		4,85	4,90	4,95	5,00	5,05	5,10	5,15	5,20	5,25	5,30	5,35	5,40	5,45	5,50	5,55	5,60	5,65	5,70		
39																	4,68	4,73	4,77	4,82	4,87	4,92	4,97	5,02	5,07	5,12	5,16	5,21	5,26	5,31	5,36	5,41	5,46	5,51			
40																4,51	4,56	4,61	4,66	4,70	4,75	4,80	4,85	4,89	4,94	4,99	5,04	5,08	5,13	5,18	5,23	5,27	5,32				
41															4,36	4,40	4,45	4,495	4,54	4,59	4,63	4,68	4,73	4,77	4,82	4,87	4,91	4,96	5,00	5,05	5,10	5,14					
42														4,21	4,25	4,30	4,34	4,39	4,43	4,48	4,52	4,57	4,61	4,66	4,70	4,75	4,80	4,84	4,89	4,93	4,98						
43													4,07	4,11	4,15	4,20	4,24	4,29	4,33	4,37	4,42	4,46	4,51	4,55	4,60	4,64	4,68	4,73	4,77	4,82							
44												3,93	3,97	4,02	4,06	4,10	4,15	4,19	4,23	4,28	4,32	4,36	4,40	4,45	4,49	4,53	4,58	4,62	4,66								
45											3,80	3,84	3,88	3,93	3,97	4,01	4,05	4,10	4,14	4,18	4,22	4,26	4,31	4,35	4,39	4,43	4,48	4,52									
46										3,68	3,72	3,76	3,80	3,84	3,88	3,92	3,97	4,01	4,05	4,09	4,13	4,17	4,21	4,25	4,30	4,34	4,38										
47									3,56	3,60	3,64	3,68	3,72	3,76	3,80	3,84	3,88	3,92	3,96	4,00	4,04	4,08	4,12	4,16	4,20	4,24											
48								3,44	3,48	3,52	3,56	3,60	3,64	3,68	3,72	3,76	3,80	3,84	3,88	3,92	3,96	4,00	4,04	4,08	4,12												
49							3,33	3,37	3,41	3,45	3,49	3,53	3,57	3,61	3,64	3,68	3,72	3,76	3,80	3,84	3,88	3,92	3,96	3,99													
50						3,23	3,27	3,31	3,34	3,38	3,42	3,46	3,50	3,53	3,57	3,61	3,65	3,69	3,72	3,76	3,80	3,84	3,88														
51					3,13	3,17	3,20	3,24	3,28	3,32	3,35	3,39	3,43	3,46	3,50	3,54	3,58	3,61	3,65	3,69	3,73	3,76															
52				3,03	3,07	3,11	3,14	3,18	3,22	3,25	3,29	3,33	3,36	3,40	3,43	3,47	3,51	3,54	3,58	3,62	3,65																
53			2,94	2,98	3,01	3,05	3,08	3,12	3,15	3,19	3,23	3,26	3,30	3,33	3,37	3,41	3,44	3,48	3,51	3,55																	
54		2,85	2,89	2,92	2,96	2,99	3,03	3,06	3,10	3,13	3,17	3,20	3,24	3,27	3,31	3,34	3,38	3,41	3,45																		
55	2,76	2,80	2,83	2,87	2,90	2,94	2,97	3,01	3,04	3,07	3,11	3,14	3,18	3,21	3,25	3,28	3,32	3,35																			

48dp SPUR GEAR

48dp PINION GEAR SIZE

1,9	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
14																												11,81
15																											10,89	11,02
16																										10,09	10,21	10,33
17																									9,39	9,50	9,61	9,72
18																								8,76	8,87	8,97	9,08	9,18
19																							8,20	8,30	8,40	8,50	8,60	8,70
20																						7,70	7,79	7,89	7,98	8,08	8,17	8,27
21																					7,24	7,33	7,42	7,51	7,60	7,69	7,78	7,87
22																				6,82	6,91	7,00	7,08	7,17	7,25	7,34	7,43	7,51
23																			6,44	6,53	6,61	6,69	6,77	6,86	6,94	7,02	7,10	7,19
24																		6,10	6,18	6,25	6,33	6,41	6,49	6,57	6,65	6,73	6,81	6,89
25																	5,78	5,85	5,93	6,00	6,08	6,16	6,23	6,31	6,38	6,46	6,54	6,61
26																5,48	5,55	5,63	5,70	5,77	5,85	5,92	5,99	6,07	6,14	6,21	6,28	6,36
27															5,21	5,28	5,35	5,42	5,49	5,56	5,63	5,70	5,77	5,84	5,91	5,98	6,05	6,12
28														4,95	5,02	5,09	5,16	5,23	5,29	5,36	5,43	5,50	5,56	5,63	5,70	5,77	5,84	
29													4,72	4,78	4,85	4,91	4,98	5,04	5,11	5,18	5,24	5,31	5,37	5,44	5,50	5,57		
30												4,497	4,56	4,62	4,69	4,75	4,81	4,88	4,94	5,00	5,07	5,13	5,19	5,26	5,32			
31											4,29	4,35	4,41	4,47	4,54	4,60	4,66	4,72	4,78	4,84	4,90	4,96	5,03	5,09				
32										4,10	4,16	4,22	4,28	4,33	4,39	4,45	4,51	4,57	4,63	4,69	4,75	4,81	4,87					
33									3,92	3,97	4,03	4,09	4,15	4,20	4,26	4,32	4,38	4,43	4,49	4,55	4,61	4,66						
34								3,74	3,80	3,86	3,91	3,97	4,02	4,08	4,14	4,19	4,25	4,30	4,36	4,41	4,47							
35							3,58	3,64	3,69	3,75	3,80	3,85	3,91	3,96	4,02	4,07	4,13	4,18	4,23	4,29								
36						3,43	3,48	3,54	3,59	3,64	3,69	3,75	3,80	3,85	3,91	3,96	4,01	4,06	4,12									
37					3,29	3,34	3,39	3,44	3,49	3,54	3,59	3,65	3,70	3,75	3,80	3,85	3,90	3,95										
38				3,15	3,20	3,25	3,30	3,35	3,40	3,45	3,50	3,55	3,60	3,65	3,70	3,75	3,80											
39			3,02	3,07	3,12	3,17	3,22	3,26	3,31	3,36	3,41	3,46	3,51	3,56	3,61	3,65												
40		2,90	2,95	2,99	3,04	3,09	3,14	3,18	3,23	3,28	3,33	3,37	3,42	3,47	3,52													
41	2,78	2,83	2,87	2,92	2,97	3,01	3,06	3,10	3,15	3,20	3,24	3,29	3,34	3,38														

AWESOMATIX A800R

SETUP SHEET

NAME

COUNTRY

RACE

TRACK

DATE

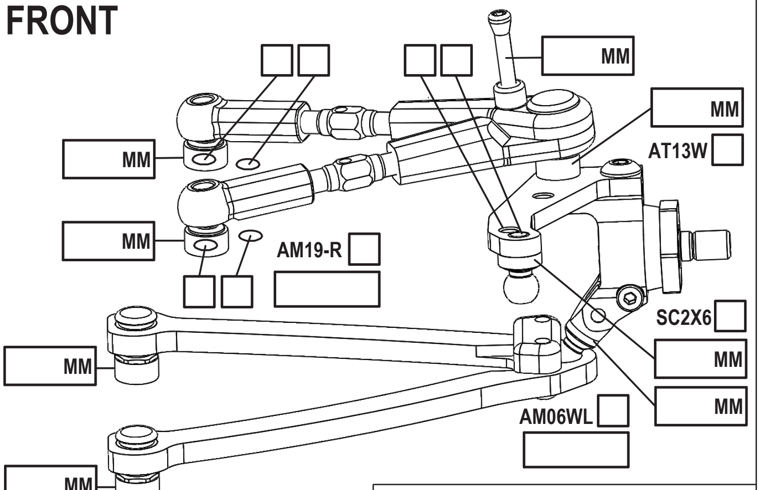
TEMP. °C AIR / TRACK /

TRACK SURFACE ASPHALT ☐ CARPET ☐

TRACK LAYOUT TECHNICAL ☐ MIXED ☐ FAST ☐

TRACTION LOW ☐ MEDIUM ☐ HIGH ☐

FRONT


☐ ☐
☐ ☐
MM
MM
AT13W ☐
MM
MM
AM19-R ☐
☐ ☐
SC2X6 ☐
MM
MM
MM
AM06WL ☐
MM

CAMBER ANGLE / °

CASTER ANGLE / °

TOE ANGLE / °

RIDE HEIGHT / MM

DOWNSTOP / MM

ANTI-ROLL BAR Ø / MM

ARB STIFFENER 1/4 ☐ 1/2 ☐ 3/4 ☐ 1 ☐

LOWER ARM EXTENSION MM

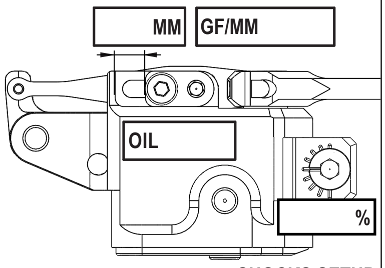
STEER. ARM AM14LS ☐

WHEEL SPACER / MM

DRIVE SPOOL ☐ DIFF ☐

DRIVE POSITION UP ☐ DOWN ☐

DIFF OIL | DIFF SHIMS



SHOCKS SETUP

DAMPER D3 ☐

ROTOR 2 HOLES ☐

SPRING STD ☐ S ☐

SRS/RHS ARR. I ☐ II ☐

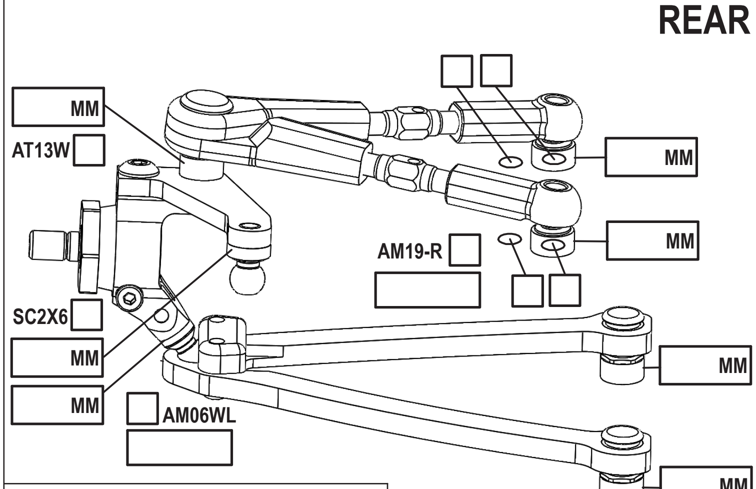
PSS SETUP 25% ☐ 15% ☐

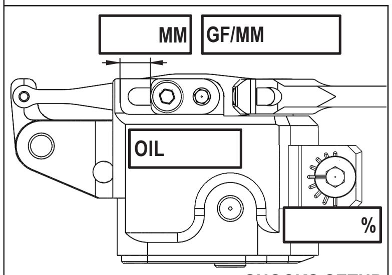
DAMPING LINEAR ☐ PROGRESSIVE ☐

C45 YES ☐ NO ☐

2ND SPRING SPR-P1 ☐

REAR


☐ ☐
MM
AT13W ☐
MM
MM
AM19-R ☐
☐ ☐
SC2X6 ☐
MM
MM
MM
☐ AM06WL
MM



SHOCKS SETUP

DAMPER D3 ☐

ROTOR 2 HOLES ☐

SPRING STD ☐ S ☐

SRS/RHS ARR. I ☐ II ☐

PSS SETUP 25% ☐ 15% ☐

DAMPING LINEAR ☐ PROGRESSIVE ☐

C45 YES ☐ NO ☐

2ND SPRING SPR-P1 ☐

CAMBER ANGLE / °

CASTER ANGLE / °

TOE ANGLE / °

RIDE HEIGHT / MM

DOWNSTOP / MM

ANTI-ROLL BAR Ø / MM

ARB STIFFENER 1/4 ☐ 1/2 ☐ 3/4 ☐ 1 ☐

LOWER ARM EXTENSION MM

STEER. ARM AM23-R ☐

WHEEL SPACER / MM

DRIVE (surprise us)

DRIVE POSITION UP ☐ DOWN ☐

DIFF OIL | DIFF SHIMS

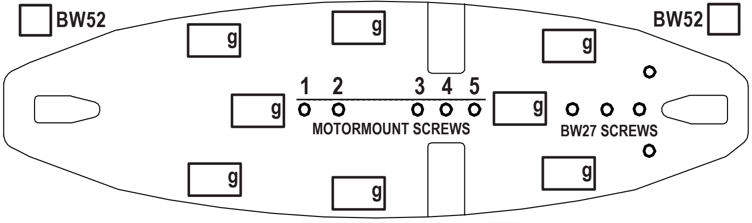
CHASSIS FLEX AND WEIGHT SETTINGS

☐ BW22

☐ BW52

BW22 ☐

BW52 ☐

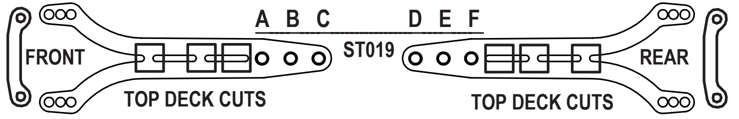

g
g
g
g
1 2 3 4 5
g
MOTORMOUNT SCREWS
BW27 SCREWS
g
g
g

LOWER DECK C01B-RA ☐ C01B-RC ☐

☐ BUMPER TOP PLATE CUT

☐ C26

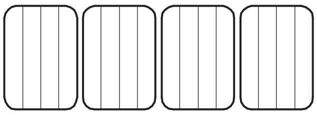
C26 ☐


A B C
D E F
ST019
FRONT
REAR
TOP DECK CUTS
TOP DECK CUTS

FRONT TOP DECK C127S ☐ C127 ☐ REAR TOP DECK C127S ☐ C127 ☐

SINGLE TOP DECK C27MMX ☐

TIRES



INSERTS

WHEELS

ADDITIVE TIME - FR RR

TOTAL WEIGHT WEIGHT DISTRIBUTION F % R %

NOTES:

MOTOR LATERAL SHIFT / MM

MOTOR

SPUR PINION RATIO

BODY

WING

ESC

ACKERMANN SHIMS / MM

SERVO

STEER TRAVEL IN OUT

BATTERY

RECEIVER

RADIO

ESC SETTING

BEST LAPTIME QUALIF./FINAL POSITION /

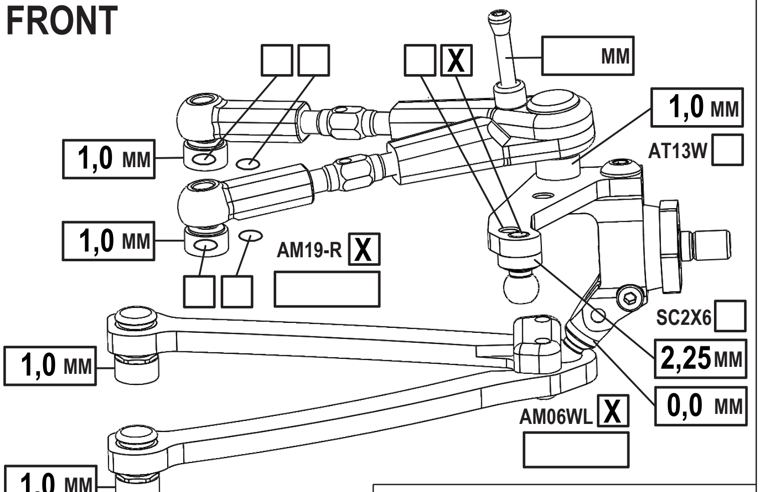
COMMENTS:

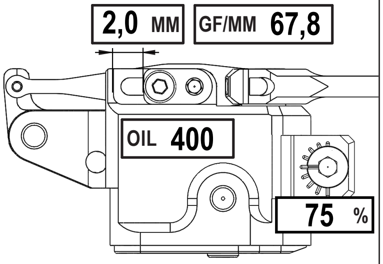
AWESOMATIX A800R

SETUP SHEET

NAME	BASIC CARPET SETUP	DATE	TEMP. °C AIR / TRACK /
COUNTRY		TRACK SURFACE	ASPHALT ☐ CARPET ☐
RACE		TRACK LAYOUT	TECHNICAL ☐ MIXED ☒ FAST ☐
TRACK		TRACTION	LOW ☐ MEDIUM ☒ HIGH ☒

FRONT


☐ ☐
☐ ☒
MM
1,0 MM
AT13W ☐
1,0 MM
1,0 MM
AM19-R ☒
☐ ☐
SC2X6 ☐
2,25 MM
0,0 MM
1,0 MM
AM06WL ☒
1,0 MM

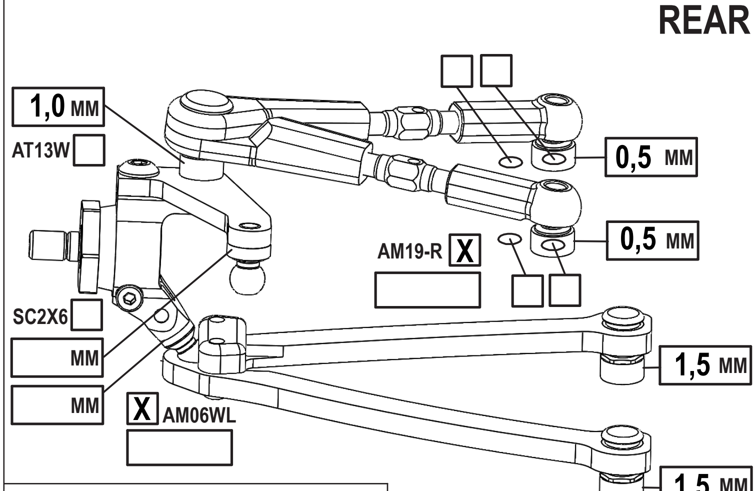

2,0 MM
GF/MM 67,8
OIL 400
75 %

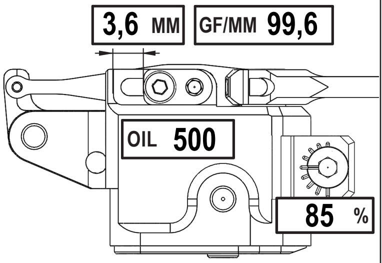
SHOCKS SETUP

CAMBER ANGLE / °	0,5
CASTER ANGLE / °	5,5
TOE ANGLE / °	-1,0 each side
RIDE HEIGHT / MM	5,2
DOWNSTOP / MM	6,2
ANTI-ROLL BAR Ø / MM	1,2
ARB STIFFENER	1/4 ☐ 1/2 ☐ 3/4 ☐ 1 ☐
LOWER ARM EXTENSION	0 MM
STEER. ARM	AM14LS ☒
WHEEL SPACER / MM	
DRIVE	SPOOL ☒ DIFF ☐
DRIVE POSITION	UP ☐ DOWN ☒
DIFF OIL	DIFF SHIMS

DAMPER	D3 ☒	
ROTOR	2 HOLES ☒	
SPRING	STD ☐	S ☒
SRS/RHS ARR.	I ☒	II ☐
PSS SETUP	25% ☐	15% ☐
DAMPING	LINEAR ☒	PROGRESSIVE ☐
C45	YES ☒	NO ☐
2ND SPRING	SPR-P1 ☐	

REAR


1,0 MM
AT13W ☐
☐ ☐
0,5 MM
0,5 MM
AM19-R ☒
☐ ☐
SC2X6 ☐
MM
MM
AM06WL ☒
1,5 MM
1,5 MM


3,6 MM
GF/MM 99,6
OIL 500
85 %

SHOCKS SETUP

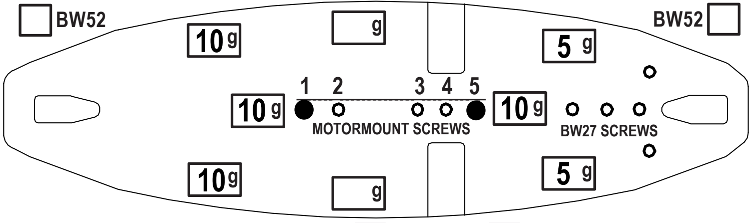
DAMPER	D3 ☒	
ROTOR	2 HOLES ☒	
SPRING	STD ☐	S ☒
SRS/RHS ARR.	I ☒	II ☐
PSS SETUP	25% ☐	15% ☐
DAMPING	LINEAR ☒	PROGRESSIVE ☐
C45	YES ☒	NO ☐
2ND SPRING	SPR-P1 ☐	

CAMBER ANGLE / °	1,0
CASTER ANGLE / °	-2,0
TOE ANGLE / °	2,5
RIDE HEIGHT / MM	5,4
DOWNSTOP / MM	4,2
ANTI-ROLL BAR Ø / MM	1,2
ARB STIFFENER	1/4 ☐ 1/2 ☐ 3/4 ☐ 1 ☐
LOWER ARM EXTENSION	0 MM
STEER. ARM	AM23-R ☒
WHEEL SPACER / MM	
DRIVE (surprise us)	
DRIVE POSITION	UP ☐ DOWN ☒
DIFF OIL 10K	DIFF SHIMS STD

CHASSIS FLEX AND WEIGHT SETTINGS

☐ BW22 BW22 ☐

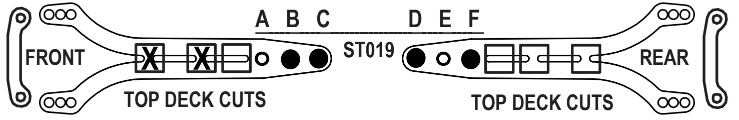
☐ BW52 BW52 ☐


10 g
g
5 g
10 g
1 2 3 4 5
10 g
MOTORMOUNT SCREWS
BW27 SCREWS
10 g
g
5 g

LOWER DECK C01B-RA ☒ C01B-RC ☐

☒ BUMPER TOP PLATE CUT

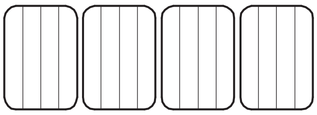
☐ C26 C26 ☐


A B C
D E F
ST019
FRONT
REAR
TOP DECK CUTS
TOP DECK CUTS

FRONT TOP DECK C127S ☒ C127 ☐ REAR TOP DECK C127S ☒ C127 ☐

SINGLE TOP DECK C27MMX ☐

TIRES



INSERTS

WHEELS

ADDITIVE TIME - FR RR

TOTAL WEIGHT WEIGHT DISTRIBUTION F 49 % R 51 %

NOTES:

MOTOR LATERAL SHIFT / MM	ACKERMANN SHIMS / MM center
MOTOR	SERVO
SPUR PINION RATIO	STEER TRAVEL IN 23,5 OUT 16
BODY	BATTERY
WING	RECEIVER
ESC	RADIO

ESC SETTING

BEST LAPTIME QUALIF./FINAL POSITION /

COMMENTS:

Standard Spare Parts

Parts#	Description
AM06WL	Steering Block
AM14LS	Steering Arm
AM19-R	Upper Arm Holder
AM23-R	Rear Steering Arm
AM24-20	Central Servo Holder
AM240	Damper Cover
AM242L	Damper Body L
AM242R	Damper Body R
AM278	Bulkhead
AM177-2	Motor Mount
AM180EVO	SB Bellcrank
AT03BX	Spool Axle
AT13	Wheel Hex
AT14	Turnbuckle
AT21ST-A	Pivot Ball Steel
AT25	Turnbuckle Long
AT25-44	Turnbuckle 44mm
AT241	Damper Rotor
AT243	Progression Damper Plate
AT247	Damper Piston Probe
AT55M	Spur Nut
AT119	Spring Screw Holder
AT120XB	20T Alloy Pulley
AT123B	GD2B Case1
AT124B	GD2B Case2
AT142	Sway Bar Stopper
ST01	Front Axle
ST02	Rear Axle
ST03	Ball Stud
ST113	IFJ Universal Bone
ST114	IRJ Universal Bone
ST116	IFJ/IRJ Cross
ST16	U-Joint Cross
ST17-1	Universal Ring
ST019	Top Deck Screw
ST23X	IRJ Outdrive
ST24	4,8x6mm Ball Stud
ST31-1	GD2 Output Axle
ST37X	IFJ Outdrive
ST38	Universal Nut
ST59	LS2 Long Screw
ST68	Flanged Wheel Nut
ST69-00	Linear Spring Screw
ST102F	Damper Rod Guide Front
ST102R	Damper Rod Guide Rear
ST105	5g Round Weight
ST110	10g Round Weight
ST112	Centering Screw
ST118L	SB Bellcrank Axle
ST122	Damper Screw
ST143	Damper valve
ST205	Damper Rod
G07	GD2 Satellite Gear
G08	GD2 Bevel Gear
P01	Ball Joint-1
P01X	Ball Joint BDL
P02	Ball Joint-2
P03	Arm Ball Cap
P04	Arm Hasp
P05	Sway Bar Joint
P07	Arm Clip
P12X	Sway Bar Holder
P13-4	Ball End
P14-1-R	Bumper
P14-5-R	Top Bumper
P14-2	Body Post
P15L	Lightweight Foam Bumper
P16	Lock Ring
P23-R	Outer Battery Holder

Parts#	Description
P25	Battery Clamp
P39	GD2 Cross Pin
P46R	Diff Piston
P56	Antenna Holder
P63	Damper Piston
P263	Damper Membrane
P64	Rear Body Holder
P67	Dampers Stand Plate
P68	Battery Adjuster
P110	Bearing Housing
P138-1	38T Pulley
P138S-1	Spool 38T Pulley
C01B-RC	Lower Deck Carbon
C01B-RA	Lower Deck Alloy
C45F	Dampers Brace Front
C45R	Dampers Brace Rear
C127	Top Deck
C127S	Top Deck
C204R	Suspension Arm
C204L	Suspension Arm
SWB-R-1.0	Sway Bar 1.0mm
SWB-R-1.1	Sway Bar 1.1mm
SWB-R-1.2	Sway Bar 1.2mm
SWB-R-1.3	Sway Bar 1.3mm
SPR01	Shock Spring
SPR01S	Shock Spring Soft
SPR23	Shock Pointer
SPR05	Body Clip
SPR07	E-Ring
SH0.5	6x3x0.5mm Spacer (Silver)
SH1.0	6x3x1.0mm Spacer (Gray)
SH1.75	6x3x1.75mm Spacer (Black)
SH0.1	6x8x0.1mm Shim
WA02	3x5x0.2 Washer
WA03	5x15x0.3 Washer
PIN01	1.5x7.8 Pin
PIN02	1.5x5.8 Pin
OR13	1x13 mm O-ring
OR05V	GD O-Ring Viton
OR06	5.5mm O-ring
OR1705V	O-Ring 17x0.5 Viton
OR1010V	O-ring 1x1 Viton
OR2010V	O-ring 2x1 Viton
B106RS	B106RS Ball Bearing
B85	B85 Ball Bearing
B84SS	B84SS Ball Bearing
B63SS	B63ZZ Ball Bearing
B73SS	B73ZZ Ball Bearing
B415	B415ZZ Ball Bearing
SC2X4	M2x4 Cap Head Screw
SC2X6	M2x6 Cap Head Screw
SC2X15	BDL Screw 15 mm
SB2.5X8	M2.5x8 Button Head Screw
SS3X3	M3x3 Set Screw
SS3X4	M3x4 Set Screw
SS3X5	M3x5 Set Screw
SB3X5AL	M3x5 Alloy Screw
SB3X5	M3x5 Button Head Screw
SB3X6	M3x6 Button Head Screw
SB3X8	M3x8 Button Head Screw
SB3X10	M3x10 Button Head Screw
SB3X12	M3x12 Button Head Screw
SF3X5	M3x5 Flat Head Screw
SF3X6	M3x6 Flat Head Screw
SF3X8	M3x8 Flat Head Screw
SF3X10	M3x10 Flat Head Screw
BEL351B	Belt 351mm Bando
DG1X	Damper Guage Set
STS-A800R	A800R Stickers Sheet

Optional Parts

Parts#	Description
C204-R+1.0	Suspension Arm Right +1 mm
C204-R-1.0	Suspension Arm Right -1 mm
C204-L+1.0	Suspension Arm Left +1 mm
C204-L-1.0	Suspension Arm Left -1 mm
C07-R	Carbon bumper
C26	Top Stiffener
ST05-R	Damper Rod
ST24M	4,8x8mm Ball Stud
ST24L	4.8x10mm Ball Stud
ST69-15	Progressive Spring Screw
ST69-25	Progressive Spring Screw
ST122-1	Damper Screw
ST147	PS Retainer
AT06	Alloy Antenna Holder
AT13W	Wheel Hex Wide
AT15	Bearing Spacer
AT18	BSSX Steering Limiter
AT21	Pivot Ball
AT139	Fan Holder
AT143	ARB Stiffener
AT144	ULCG Battery Clamp
AM24-R	Servo Holder
AM124	Steering Plate
AM152	SB Steering Stand
BW7	Weight 7g
BW8	Weight 8g
BW10L	Weight 10g
BW22R	Battery Holder 22g
BW27	Rear Stiffener 27 g
BW52R	Battery Holder 52g
C45F-PS	Dampers Brace Front PS
C45R-PS	Dampers Brace Rear PS
DT10-3	Bearing Housing
OR14V	O-ring 4x1 Viton
P40F	Servo Arm (Futaba)
P40K	Servo Arm (KO)
P138LFA	38T Pulley Low Friction
P138S-LFA	Spool 38T Pulley Low Friction
SH3X5X0.1	3x5x0.1mm Shim
SH3X5X0.5	3x5x0.5mm Shim
SH0.25	6x3x0.25mm Spacer
SPR14-R	Center Spring
SPR-P2	Progressive Spring
T01	5.5/4 mm Wrench
T02	Wrench
BSSX	Bellcrank Steering Set
HRB	Horizontal Rear Bodypost Set

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UAB “AWESOMATIX”
Email: support@awesomatix.com

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